

New Mexico Military Institute

Roswell, New Mexico



2024 – 2025

Academic Catalog

This document is an archival record of the academic policies, programs, graduation requirements and other academic information for the 2024-2025 academic year. It is a printable option of the online catalog for those agencies and/or offices that require a printed catalog. The information and web links in this document may no longer be accurate. For current catalog information, please refer to the [online catalog](#).

NEW MEXICO MILITARY INSTITUTE
2024-2025 Academic Catalog
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The Registrar's Office annually publishes the NMMI Catalog. The catalog includes policies, procedures, academic program information, course content and general information about our school. While the catalog is no longer printed, a PDF version of the catalog is available. An electronic version is maintained at <http://academic.nmmi.edu>. Changes to the current year's catalog are maintained on the electronic version's change page.

Graduation requirements are for students entering in the Fall 2024 through Spring 2025 school year. Information is accurate as of the

date of publication, and specific changes that apply to this catalog and school year are noted on the changes page. NMMI, through the Board of Regents, reserves the right to make changes in policies, regulations and fees giving due notice.

Automated Switchboard: 1-575-622-6250

Admissions: 1-800-421-5376

Address: 101 West College Blvd, Roswell, New Mexico 88201

<http://www.nmmi.edu>

About NMMI

General Information

The New Mexico Military Institute (NMMI) was established in 1891 as a public military High School and Junior College in Roswell, New Mexico. Known as "the West Point of the West," NMMI operates under the auspices of the State of New Mexico, under a dedicated Board of Regents that reports to the Governor of New Mexico. The school enrolls nearly 1,000 cadets at the junior college and high school levels each year from 45 states, 2 U.S. territories (Puerto Rico and American Samoa), and 35 foreign nations.

Administration

- [Board of Regents](#)
- [President/Superintendent](#)
- [Senior Administration](#)

Accreditations

New Mexico Military Institute's Junior College program is accredited (2020) by the Higher Learning Commission. Contact the Higher Learning Commission at 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604 or call 800-621-7440 for questions about the accreditation of our Junior College program. The organization's website is <https://www.hlcommission.org/>.

Our College Preparatory High School program is accredited (2018) by Cognia. Contact the Alpharetta Office at 9115 Westside Parkway,

Alpharetta, Georgia 30009 or call 888-413-3669 for questions about the accreditation of our College Preparatory High School program. The organization's website is <https://www.cognia.org/>.

Institutional Vision

New Mexico Military Institute is a globally recognized secondary and post-secondary learning institution for young men and women that instills excellence in leadership, academics, and physical development within a structured environment empowering students to thrive in a dynamic world.

Institutional Mission

To educate, train, and prepare young men and women to be leaders capable of critical thinking and sound analysis, leaders who possess uncompromising character and leaders able to meet challenging physical demands.

Faculty Credo

Treat them as you would like your own treated. Teach them as you would like your own taught.

Historical Perspective

Roswell, New Mexico dates back to 1866 when it, then known as Rio Hondo, was a cowboy outfitting station on a cattle trail. It acquired a post office in 1873 as well as the name Roswell. This area of Southeastern New Mexico around Roswell, the historic border between the Comanche and Mescalero Apache tribes, was then only sparsely settled.

A Time-Tested Model



Providing Integrated High-Definition Education, Training and Experience for 21st Century Learners

In 1891, Captain Joseph C. and Mabel Lea invited Robert S. Goss to start a military school similar to the school Goss directed in Fort Worth, Texas. In September, Goss Military Institute opened its doors to twenty-eight pupils. Struggling as a result of poor management and insufficient funds, Goss Military Institute did secure designation as a territorial school and a new name, New Mexico Military Institute, but had to close its doors in 1895.

An appropriations bill passed by the territorial legislature and a generous donation by a resident philanthropist, J.J. Hagerman, of a forty-acre plot of land on North Hill helped reopen the doors of New Mexico Military Institute in its present location on September 6, 1898. The school provided eight years of academic work and the cadets were organized into two companies. After the Institute inaugurated the junior college in 1915, the school offered four years of high school (NCA accredited, 1917) and two years of college work (NCA accredited, 1938).

The Corps of Cadets operates under an Honor Code, instituted in 1921 by a vote of the Corps of Cadets. This Code is recognized as the primary means by which character development is accomplished at the New Mexico Military Institute. The Code requires all members of the Corps of Cadets act honorably in both word and deed. A cadet shall tell the truth at all times, not quibble or make evasive statements, do their own work and not cheat, plagiarize nor take unfair advantage. Each cadet is also responsible for maintaining these standards. A cadet will not only do what is right, but will have a desire to live by such a standard.

New Mexico Military Institute gained special recognition as a military school receiving the distinction as one of ten such distinguished institutions in 1909. In addition to retaining this distinction ever since, the school became a member of the Reserve Officer Training Corps program in 1916. NMMI sent 320 alumni and 163 officers into its country's service during World War I. The school's service to World War II was virtually unparalleled with over 170 young men losing their lives.

After experimentation with a four-year college in the nineteen fifties, NMMI returned to its high school and junior college program. With the support of a strong Early Commission (ROTC) Program in the junior college and special NCA recognition (1980) as a college-preparatory high school, the school has persistently increased its emphasis in recent years on its academic programs. Annually, approximately seventy cadets prepare for admission to the national service academies and join nine hundred thirty other young men and women in meeting the challenges of one of the nation's most unique and finest preparatory schools.

NMMI Leadership Model/Process

Assessment Statement

At NMMI, assessment is an embedded continuous process for commitment to assessment is being realized by the Institute's involvement in the North Central Association's Assessment Academy. The Institute has created an Assessment Academy Task Force to guide and lead assessment activities across all mission elements.

FERPA: Confidentiality of Cadet Records

Cadet records are accessed by faculty and professional staff for authorized academic-related purposes. The release of cadet records for off-campus use occurs only with a cadet's knowledge and consent, or when required by law.

A cadet's high school record is open for inspection by the cadet's parents or guardians. College cadets and high school cadets taking college courses (college courses only) fall under Family Educational Rights and Privacy Act (FERPA) regulations and can limit access to their record as specified in federal law. Financially, New Mexico Military Institute considers all cadets, whose parents provide verification of their expenses, as a "dependent cadet" as defined by Internal Revenue Code of 1954, Section 152 for the IRS form 1098. The cadet must provide proof of "independent" status to the Registrar prior to the start of the third academic week. College cadets must elect whether or not their grades go to their parents through their matriculation form, or an invitation page inside of the cadet portal, "Self-Service".

The Registrar is the custodian of the cadet's academic record. A cadet's academic record may include application for admission

information, residency certificate, immunization certificate, date of school entry, cadet schedules and schedule changes, academic work completed, standardized achievement test scores, transcripts from previous schools attended, and various Veteran's Administration forms.

Public information which may be released upon request includes a cadet's name, photograph, address, telephone number, truncated date and place of birth, area of concentration, dates of attendance, height, weight, scholastic and/or athletic achievement, degree, previous schools attended and date of graduation. If a cadet does not wish for this public information to be released, the cadet must notify the Registrar during the first two weeks of classes in each semester. This is normally done during matriculation.

Cadets have the right to inspect and review their educational records within 45 days of the date of their request, but must specify which educational records. They have the right to request amendment of the records they believe to be in error. They can file a complaint with the Academic Dean, Registrar, or US Department of Education if they determine their rights have been violated. The address for such complaints is in the Registrar's Office.

FERPA Annual Notice to Reflect Possible Federal and State Data Collection and Use

As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records — including your Social Security Number, grades, or other private information — may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal/state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education", such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII, without your consent, to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent, PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development,

unemployment insurance, child welfare, juvenile justice, military service, and migrant cadet records systems.

Equal Opportunity Policy

NMMI is open to all persons regardless of race, color, religion, gender, or national origin who are otherwise eligible for admission as cadets. The college is an Equal Opportunity Employer and no applicant or employee will be discriminated against because of race, color, religion, gender, or national origin concerning employment or during the course of employment at this Institute.

Cadet Life

Corps of Cadets

The Corps of Cadets is rich with tradition and is essentially a leadership laboratory. It is an important experiential learning environment which substantially contributes to cadet learning and development. The Corps operates within a structured military environment with a cadet chain of command under the direct supervision of the Commandant of Cadets and his staff. The cadet chain of command is composed of senior cadets who have demonstrated the ability to supervise and train junior cadets. Cadets are trained and held to the highest standards with the following learning outcomes:

- Know and live by NMMI standards of conduct and personal appearance.
- Demonstrate self-control, self-discipline and personal accountability.
- Adhere to the Honor Code, displaying ethical and moral behavior.
- Become a productive and supportive team member and a patriotic citizen.
- Become culturally aware, display respect and consideration for others and embrace appreciation for diversity.
- Develop excellent time management skills, a positive work ethic and an eye for attention to detail.
- Demonstrate respect for authority, military bearing, and social etiquette.
- Demonstrate positive character development and personal integrity.
- Successfully live in a shared community environment, develop a healthy lifestyle and habits.
- Make the right choices and avoid high risk behavior.
- Demonstrate knowledge of NMMI customs and traditions.
- Become a positive leader with an understanding of authority, responsibility, and accountability.

Commandant of Cadets

The Commandant of Cadets, similar to a Dean of Students, exercises command supervision over the Corps of Cadets. The Commandant and his staff monitor the activities of the Corps of Cadets 24 hours a day, seven days a week. The Commandant's responsibilities include:

- Ensuring the security, safety, health and welfare, physical readiness, accountability, mentorship, and leader development of every cadet.
- Maintaining a positive leadership environment and a culture of discipline in which each cadet can achieve

academic excellence and physical readiness to maximize their potential.

- Establishing the military structured environment and overseeing the disciplinary system and disposition of disciplinary issues.
- Overseeing the military training, community service and interaction, extracurricular and intramural activities, entertainment and most activities affecting daily cadet life.
- Overseeing the Honor Code system run by the cadet Honor Board.
- Barracks assignment and maintenance.
- Overseeing all cadet services through the Deputy Commandants including the infirmary, Post Exchange, dining facility, barber shop, cadet store and laundry.
- Daniels Leadership Center, the Ropes, Leadership Reaction and Obstacle Courses.

The Commandant is supported in his duties by three Deputy Commandants; three Squadron Leadership Advisors (SLAs); three Counselors including a Chaplain; a Leader Development Counselor/Instructor; Protocol, Cadet Activities and Entertainment Coordinator; an administrative office staff; the staffs of both Junior and Senior Army ROTC; the Campus Police, Medical Staff and the Troop Leadership Advisors (TLAs).

Troop Leadership Advisor

The Troop Leadership Advisor (TLA) is directly responsible for the safety, security, health and welfare, mentoring, counseling, leadership development, discipline and accountability of the cadets assigned to their troop. The cadet is responsible for helping every cadet realize their full potential by maintaining a positive leadership environment in which every cadet can achieve academic excellence, become a leader of character and develop a desire for lifelong physical fitness. A TLA plays a crucial role in interacting with cadets on a daily basis to develop the "whole person". The Troop Leadership Advisor (TLA) is a key member of the Commandant's staff and the individual most knowledgeable of each cadet and the activities that the cadet is involved with on campus. The TLA directly supervises the leadership development of those cadets assigned to the Troop and focuses on the maintenance of good order, discipline, and daily cadet life within their troop. The TLA enforces regulations, policies, and procedures directly impacting the morale, welfare, administration, activities and training of up to 80 cadets. The TLA works to cultivate a positive rapport and regular communication with cadets, parents, guardians and members of the faculty and staff.

Disciplinary System

New Mexico Military Institute provides a rewarding yet demanding learning environment which focuses on the "whole person." Not everyone who applies can meet the challenges of the NMMI experience. Adherence to established standards by all cadets is at the core of leadership development and those standards must be met in order to remain a NMMI Cadet. The Institute reserves the right to dismiss, suspend, or otherwise penalize any cadet who does not properly adapt to academic, disciplinary and/or physical readiness requirements. Among the offenses that may result in suspension or dismissal are those considered to undermine the purposes, goals and mission of the Institute and compromise the standards of character and conduct expected of all cadets. These include: hazing or endangerment of any cadet; sexual misconduct; disgraceful or refractory behavior; use or possession of illegal drugs and drug paraphernalia and misuse of prescription drugs; alcohol or tobacco products; possession of weapons, knives or explosive devices; unexcused absences; or any conduct that may bring discredit upon the Institute. NMMI Policy documents, Commandant Policy letters, the Blue Book, and the NMMI Operations and Procedures Manual provide in detail the policies pertaining to the aforementioned offenses.

Lesser offenses will result in demerits, marching tours (punishment), loss of privileges and/or restriction to the campus. An excessive number of demerits is regarded as a failure or inability to adjust satisfactorily to the NMMI standards and may result in disciplinary probation or suspension. Poor academic performance may also result in academic probation or suspension.

Honor System

The Honor Code and Honor System of the Corps of Cadets at NMMI belong to the Corps of Cadets and operates under the sanction of the Commandant of Cadets. The Cadet Honor Code and System, adopted in 1921 by a unanimous vote of the Corps of Cadets, is officially recognized as the primary means by which character development is accomplished at NMMI. Simply stated: A cadet will not lie, cheat, steal, nor tolerate those who do. Every cadet is obligated to support and enforce the Honor System. Violations of the code may result in serious disciplinary action, suspension or dismissal based on the recommendations of the Cadet Honor Board/Committee as finally determined by the Commandant of Cadets. New cadets are fully trained in all aspects of the Honor System, and prospective cadets are encouraged to consider carefully the implications of intolerance before joining the Corps. The Cadet Honor Manual details policies pertaining to violations of the Cadet Honor Code.

The normal repeat policy for NMMI is to grant credit only for the highest grade. However, if a cadet taking a college course is found in violation of the honor code by cheating, the cadet will receive a grade awarded by the instructor (normally an "F" grade) for that course. Any repeat of that course will be assigned both grades (no

academic forgiveness) for the GPA. Thus a cadet may receive both the "F" and any subsequent letter grade earned..

Athletics

The Athletic Department fields competitive athletic teams at both the intercollegiate and interscholastic levels. NMMI fields nine intercollegiate teams that compete at the National Junior College (NJCAA) Division I level in the following sports:

Men:

- Baseball
- Basketball
- Football
- Golf
- Tennis

Women:

- Cross Country
- Golf
- Tennis
- Track
- Volleyball

NMMI fields high school interscholastic teams that compete in the New Mexico Activity Association (NMAA) and the "AAA" and "AA" level in the following sports.

Boys

- Basketball
- Baseball
- Cross-country
- Football
- Golf
- Track
- Soccer

Girls

- Basketball
- Cross Country
- Track
- Volleyball

Godfrey Athletic Center

The Godfrey Athletic Center supports this mission in the following ways:

- A cadet activity center
- The Outdoor Fitness Factory
- The Varsity Strength & Speed Training Center
- Athletic Training Education Center
- An athletic practice and competitive venue
- Leadership assessment

Physical Development

The Outdoor Fitness Factory (OFF) is a world class facility that accommodates the large volume demands of the Corps Physical Development program, while providing unparalleled exercise variety. It features a wide range of training venues that facilitate optimal physical development. The Outdoor Fitness Factory accommodates the multiple training needs and philosophies of all campus groups such as Corps PT, Academy Prep PT, SROTC PT, and the Bronco/Colt Athletic Teams. The OFF is truly innovative featuring 2 sand pits, a Speed Hill @ 3% grade, 56 Multi-stations, a Medicine

Ball Wall and Vertical Power Station, 4 Inverted Bear Crawl Standards, 1 Platoon Trainer - Mobile Exercise Station, along with numerous other pieces of equipment including barbells, medicine balls, kettle-bells, sand bags, water filled kegs, tractor tires, weighted barrels, power sleds, elastic bands, weighted belts, and plyo-boxes.

Athletic Training Education Center

The Athletic Training Education Center (ATEC) provides top level physical rehabilitation and treatment facilities for cadets suffering from sports related injuries. The ATEC sets the standard for facilities and treatment at this level. The ATEC primarily serves athletes, but is also available as a resource to cadets. Additionally, ATEC functions as the primary education center for cadets wishing to pursue a career in the athletic training and sports medicine fields. The recently completed center offers the highest quality cutting edge therapeutic modalities under the direction of two full-time athletic training professionals.

Services

Cadet Store

The NMMI Cadet Store, located in Bates, has everything for current cadets and alumni. All required textbooks for NMMI courses are stocked as well as a full line of military uniforms and accessories. A collection of NMMI logo apparel and gifts, school supplies and computer accessories are available. Laundry and dry cleaning services are also offered through the Cadet Store. Visit the Cadet Store in Bates Hall or contact them at (575) 624-8215.

NMMI Golf Course

The NMMI golf course is a regulation 18 hole facility, equipped with a large driving range and putting green. The course plays 6639 yards from the back tees, 6315 yards from the middle tees, and 5275 yards from the forward tees. The greens are bent/poa annua and are usually fast. We over-seed in the fall to provide the golfers with lush green fairways, tees and green aprons.

NMMI Food Services

Sodexo runs the dining facility, Post Exchange (PX) snack bar and Game Room snack bar and lounge. Sodexo's dining webpage can be accessed at <https://nmmi.sodexomyway.com/>.

NMMI Auxiliary Services

The NMMI Bowling Alley is located in Hinkle Hall, provides 10 lanes, with sound system and cosmic bowling available.

NMMI's Internet Café/Game Room is located in Hinkle Hall. It provides wireless Internet service, a game room which includes Xbox games, a Pool Room, and 42" plasma TV's for cadets.

The NMMI Barbershop is located in Hinkle Hall and open five days a week. Two barbers/cosmetologists are employed at the Barbershop to provide professional service.

NMMI's Post Office is located on NMMI campus in Hinkle Hall and provides services to all cadets and NMMI administrative offices.

NMMI Infirmary

The campus Marshall Infirmary has a capacity of 38 beds and the capability of treating cadets for minor illnesses and injuries. A nurse is on duty 24 hours a day and is available during the school day and for sick call. Morning sick call begins at 7:00 a.m. Monday through Friday.

Routine medical and dental care should be arranged by you during school breaks with your local provider. Minor illnesses are treated or referrals are made to Roswell physicians if deemed necessary by the medical staff. There is no charge for an office call or for confinement in the Infirmary. However, you will be billed for any lab tests. Prescribed drugs are charged to the cadet account; copies are available for insurance purposes.

In instances of sudden serious illness or accident, cadets are transported to a local hospital in Roswell.

Housing

All NMMI cadets reside in the barracks. The Hagerman Barracks, "The Box", are where the majority of cadets call home. The first section was completed in 1909 at a total cost of \$50,000. The second section was completed in 1925. The Hagerman Barracks are named in honor of James J. Hagerman, one of the great industrial frontiersmen of the west who has frequently been identified as a primary force behind the economic development of the Pecos Valley. In 1895 J.J. Hagerman donated 40 acres of land, none of which could be sold in any portion, for NMMI's permanent home.

Originally built in 1964 the Saunders Barracks are named in honor of H.P. Saunders Jr., who devoted his life to the Corps of Cadets and NMMI. Colonel Saunders was a 1912 NMMI graduate and served as Commandant of Cadets for 31 years from 1916 to 1947. In 1994 the original building was torn down and construction of the first phase of the new Saunders Barracks began at a cost of \$8.5 million. The second phase of construction was completed in 1998 at a cost of \$2.5 million. The Saunders Barracks contain 168 cadet rooms and is commonly referred to as "The Slab".

Other Cadet Resources

Cadet Counseling Center

The Cadet Counseling Center (CCC) provides cadets advice, counsel, and encouragement in the areas of human interaction, interpersonal relationships, personal growth, spiritual growth, social awareness, and intellectual achievement. It provides cadets with a person who will listen and give feedback on a wide variety of issues. CCC is located in Luna Hall.

The personnel of the CCC help the cadets deal with family matters, roommate problems, tobacco/alcohol involvement, homesickness, personal attitude, Corps life, authority, ethical/moral issues, depression, anxiety, eating problems, isolation, conformity to discipline and basic adjustment problems. If the cadet needs more specialized or long term counseling than the Cadet Counseling Center can provide, referrals are made to appropriate medical, legal or social professionals at the Cadet's expense. Psychiatric services are not available through the CCC.

The CCC is part of the Commandant's Crisis Action Team, a team of various professionals who work together in the event of a crisis. They also are available to counsel cadets in the case of death in the family, loss of home to fire, or various other crises which may arise.

The CCC staff maintains close cooperation and coordination with the Academic Advisors, Commandant's staff which includes the Deputy Commandants for Operations and Support, Squadron Officers and most importantly Troop Officers, Staff and Faculty, and Cadet Regimental Staff in addressing concerns of the cadet's educational, social, and personal development.

Daniels Leadership Center

The Daniels Leadership Center (DLC) is a unique learning, instructional and experiential catalyst for the New Mexico Military Institute. Under the direction of the Commandant of Cadets, the Center is charged to advance the NMMI mission to educate, train and prepare young men and women to become leaders of character by supporting its academic and leadership curriculum that falls under the Dean of Academics. The focus of this effort derives from the unique nature of NMMI with its six-year integrated secondary and post-secondary learning curriculum and programs. This enables the Center to concentrate on cadets at the junior high and high school age level, as well as the junior college, in order to engage them in formal and experiential leadership learning.

The Center sponsors a variety of programs to include conferences, workshops, lectures, round-tables and summer camps. Integral parts of the Center are the Yates Leadership Challenge Complex and the Performance Enhancement Laboratory (PEL). The Complex is divided into two experiential courses that emphasize character and leadership development. The PEL is patterned after the Army's Center for Excellence in Performance (ACEP) at the United States Military Academy at West Point (USMA).

NMMI's PEL expands on that concept by offering unique and exciting training and learning opportunities for cadets. Using performance psychology training techniques, cadets learn how to use the tools of goal-setting, imagery, self-talk and visualization to enhance the skills of motivation, concentration/focus, self-confidence, stress management and arousal control to help perform optimally. Under the supervision of a professional with a Ph.D. in the Performance Psychology field, the PEL combines the best practices of traditional training along with the latest cutting edge science to accelerate the

individual's progress and ability to perform at one's peak. The Leader Development Personnel at the DLC work closely with the staff and faculty in assessing the leadership development that occurs within the Corps of Cadets and through the entire NMMI experience.

Alumni Memorial Chapel

The Alumni Memorial Chapel was dedicated 15 May 1975 to those who gave their "Last Full Measure of Devotion", NMMI alumni who lost their lives in military service, fighting to preserve the freedoms we now enjoy. Their names and graduating classes are listed on the main bronze plaque in the Memorial Narthex. Contributions from hundreds of alumni and friends of NMMI funded the construction of the building. Lieutenant Colonel L.T. "Babe" Godfrey, Class of 1924, was both the spirit and leader of the effort for the chapel. Through his leadership and the efforts of many others, the Corps has this beautiful house of prayer.

The chapel is located at the entrance to the campus as a solid statement of NMMI's philosophy that spiritual development is necessary for a complete education. As such, it is the spiritual center of the life of the Corps of Cadets. The chapel serves as a worship center for Catholic, Protestant, Muslim, Jewish and other faith groups represented in the Corps. The chapel and the chapel garden are quiet places of refuge in the midst of an otherwise hectic cadet life. Cadets come to sit in the chapel or memorial garden to study, talk quietly with friends, meditate, and pray.

Admissions

Cadets are accepted only at the beginning of the fall and spring term with no transfer-in during the semester. All applicants must meet the following criteria:

- Meet academic criteria
- Be under 22 years of age
- Have never been married
- Have no dependent children
- Be in good physical condition
- Be able to participate in athletic and leadership development activities
- Be free of major disciplinary and/or drug or alcohol abuse problems.

In addition to meeting reasonable standards of good health, applicants to the NMMI high school and junior college must demonstrate a pattern of good conduct, a willingness to accept responsibilities for their actions and a respect for others. Applicants must also meet academic, physical and English language competency standards as part of their admission, which may exclude cadets with specific disabilities. They must have exhibited the capacity to adjust to and work effectively in a closely supervised, highly disciplined and occasionally stressful environment as well as the ability to live independently in a dormitory setting.

All cadets are required to participate in certain physical activities (e.g., marching with a rifle in formation, running the obstacle course, intramural athletics), all considered essential to the traditions of a military school and to the development of individual leadership skills and a sense of camaraderie as a member of the Corps of Cadets.

1. Physical standards considered disqualifying for admission:
 - Active epilepsy,
 - Diabetes requiring special diet and insulin therapy,
 - Blindness,
 - Deafness,
 - Chronic renal disease,
 - Chronic cardiac disease,
 - Severe symptomatic asthma,
 - Any severe neuromuscular or orthopedic disease or any other substantial physical limiting condition, which, in the opinion of the medical staff, would interfere with the cadet's performance and physical activity in accordance with New Mexico Military Institute's requirements,
 - A medical or behavioral condition that could preclude their participation in required physical and academic programs will be reviewed by the medical staff to determine eligibility,
 - Inability to participate fully in required physical activities.

2. Behavioral/health standards considered disqualifying for admission:
 - Any felony criminal conviction,
 - Any other conviction where the cadet is still on probation, or under the jurisdiction of the courts adjudication phase. This includes charges that have not been fully resolved because of pending court dates, directed educational programs or community service or mandatory counseling requirements,
 - Any permanent dismissal from any school,
 - Been suspended three or more times from schools attended within the last three years,
 - Any attempted suicide,
 - Manic-depressive disorder, evidence of emotional disturbance, bipolar disorder, regularly scheduled psychological counseling or any other severe psychological disorders or limiting condition which in the opinion of the medical staff would interfere with the cadet's ability to function satisfactorily at the New Mexico Military Institute.
 - Demonstrated inability to meet the existing NMMI academic requirements without significant accommodations that would alter the academic mission of the Institute,
 - A drug addiction,
 - An alcohol addiction,
 - Inability to participate in the existing college preparatory or university parallel required academic programs.

Acceptance decisions are made without regard to disabilities and in accordance with state and federal law, and are nondiscriminatory.

Admissions Procedures

Cadets must be physically and mentally sound and meet the academic requirements for admission in order to participate fully in the Institute's programs. (Chronic or acute disabilities existing before or after matriculation are causes for dismissal.)

The application for admission can be completed via the web application, or by completing and submitting a paper application to the Admissions.

Family physician must fill out the physical and immunization forms, health and consent forms may be completed by a parent.. If a DoDMERB has been completed on the applicant within one year of the date of application, it may be substituted for the physical, the remainder of the Health and Consent form must be completed.

A former NMMI cadet may reapply for readmission by submitting a review form and a formal application signed by the parent or guardian (or by the cadet if 18 years of age or older). If readmitted the cadet will be classified based upon the academic and disciplinary status that had been established upon departure.

Junior College Admission

New cadets are admitted only at the beginning of the Fall and Spring semesters at New Mexico Military Institute.

The New Mexico Military Institute admits college freshmen from regionally accredited high schools (or foreign equivalents) to its Associate of Arts or Associate of Science degree in a holistic review process. Students should submit their application and complete the required documentation to receive a decision.

All Junior College applicants shall present academic credentials to support completion of High School academics to include a diploma or certificate of GED or determined equivalent.

NOTE: NMMI reserves the right to admit those candidates it determines to be best qualified for entrance.

In some cases, a candidate with an acceptable (NM - 45) score on the General Education Development (GED) examination may be accepted.

Those cadets seeking a commission should also refer to the section for admissions requirements into the Contract Senior ROTC Program leading to the US Army Reserve Commission.

International students seeking admission to the high school are required to take an English proficiency exam. Applicants primarily take the Duolingo, IELTS and TOEFL proficiency exams for admission. However, other approved English proficiency exams are accepted. Contact International Admissions for more information.

High School Admission

New cadets are admitted only at the beginning of the Fall and Spring semesters at New Mexico Military Institute.

Domestic high school students will complete an entrance examination during their on campus tour. This test can also be proctored within the United States by a NMMI approved proctor. Students should submit their application and complete the required documentation to receive a decision.

All high school applicants must take the math entrance exam and interview with an Admissions counselor and their file will be reviewed in a holistic manner.

Third Class (High School Senior): Only eligible to be admitted in the Fall semester, must complete a full year at NMMI in order to graduate, along with completing all academic and disciplinary requirements.

International students seeking admission to the high school are required to take an English proficiency exam. Applicants primarily take the Duolingo, IELTS and TOEFL proficiency exams for admission. However, other approved English proficiency exams are accepted. Contact International Admissions for more information.

Accepted applicants are placed in classes at New Mexico Military Institute in accordance with the number of credits earned at the time of initial enrollment. Progress through the curricular requirements is performance rather than time based. Curricular requirements will not be waived.

Graduation: To graduate, a cadet must meet all academic and disciplinary requirements. See the graduation requirements section of the catalog.

Foreign Student Immigration Requirements

Section 641 of the Illegal Immigration Reform and Immigrant Responsibility Act (IIRIRA) of 1996 led to the creation of an inter-agency initiative known as the Student Exchange and Visitors Program (SEVP). SEVP is designed to improve processes for foreign cadets and exchange visitors holding F, J and M visas; and schools, colleges and other organizations sponsoring programs for these visa holders.

The management of the New Mexico Military Institute is charged with the responsibility of providing the Board of Regent's reasonable assurance of compliance with all relevant laws and regulations related to foreign cadets.

Upon acceptance to NMMI, foreign cadets will be issued an I-20 form that they must present to a Consulate office in their country for review. The reviewing consulate will issue a cadet visa if they approve the cadets' request.

All foreign cadets must have a cadet visa (F-1 status) or other approved cadet status documents prior to arrival at NMMI. NMMI will review all immigration documents upon the cadet's arrival and will also monitor the cadet's status throughout the school year as deemed necessary by the SEVIS DSO (Designated School Official).

Students must have in their personal possession all documents, e.g. passport, I-20, visa, I-94 etc. during their attendance at NMMI. Failure to comply with immigration requirements may result in suspension from NMMI.

Financial Information

The NMMI Business Office has a website which lists the NMMI cadet [actual charge information](https://www.nmmi.edu/business/). Financial advisor and on-line payment information are key links found at <https://www.nmmi.edu/business/>. Use your back button to return here.

○ **Tuition and Fees**

- Tuition, fixed fees, uniform fees, room, board, laptop rental, tuition refund insurance and other fees as listed on the applicable cost sheet, which can be found at <https://www.nmmi.edu/admissions/financial-aid-scholarships/tuition-costs/>, are charged each semester. Fall payment in full or enrollment in payment plan deadline is before matriculation day. Spring payment in full or enrollment in payment plan deadline is before matriculation day.
 - Other charges to a cadet's account may include the following:
 - Matriculation fee
 - Recruit in Training fee
 - International fee
 - Lab fees
 - Barracks breakage
 - Military property shortage
 - Infirmary prescription charges
 - Library losses and fines
 - State textbook losses
 - Those cadets fully funded for the semester by federal funds or athletic scholarships, may charge books and related school supplies through the 21st day after the start of classes. Charges in excess of funding will not be allowed.
 - A monthly statement itemizing all charges will be forwarded to the responsible party around the 25th of the following month.
 - Cadets requiring personal items, school supplies or replacement uniform items may purchase these at the campus cadet store. Other alternatives include credit/debit cards, local bank accounts, or maintaining home town bank accounts.
- **Deferred Payment Plan** - There is a third party payment plan available for paying tuition and fees by credit/debit card or automatic bank payment (ACH). A fee is charged for this service, which is found at <https://www.nmmi.edu/business/>. Under this plan, a down payment is required at the time of enrollment followed by equal monthly payments. If a deferred payment plan is established, but is not adhered to, the cadet is subject to disenrollment from school for non-payment.

- **Credit Cards** - The Business Office cashier, Cadet Store, PX Grill and coffee shop, game room/bowling alley, and Golf Pro Shop will accept VISA/MC, American Express and Discover cards. The credit cards will be accepted for total or partial payment of Tuition and Fees and payments can also be made on-line by going to <https://www.nmmi.edu/business/>. The entities above will accept the cards for purchases. Cash advances are not available. Wire transfers may also be used for Tuition and Fees and wire transfer information is available through the Business Office.

- **PayMyTuition** for international students is available for those paying in full, if not in the third party payment plan, is found at <https://www.nmmi.edu/business/>. International payments are in the student's currency of their country at a significantly reduced exchange rate.

- **Financial Responsibility** - At the end of any semester, any cadet whose accounts have not been paid in full will not be eligible to re-enroll for the subsequent semester. NMMI reserves the right to dis-enroll or cancel the registration of any cadet who fails to pay, when due any indebtedness. Academic credits, transcripts, and diplomas will be withheld until all financial obligations are met. Classes cannot be scheduled for future semesters either.

○ **Scholarship Policy**

- All current cadets and accepted applicants will automatically receive scholarship consideration.
- Institutional scholarships will be credited to the recipient's tuition account on 21st day after the start of classes. Cadets who have withdrawn or initiated the withdrawal process by obtaining a withdraw form from NMMI for any reason prior to Friday of the third week of classes will not receive scholarship funds. If a cadet withdraws from school for any reason during the first semester, the cadet may not be entitled to the scholarship if the cadet is re-enrolled during the same academic year..
- ROTC scholarships are administered under policies provided by the US Army and issued directly to recipients' when awarded. ROTC funds will be paid to NMMI as needed to cover charges.

○ **Refund Policy**

- Should a cadet withdraw or be dismissed, the semester tuition and fixed fee charges (other than laundry and blue book charges) will be refunded as follows:
 - 1st week of classes - 100%
 - 2nd week of classes - 75%
 - 3rd and 4th week of classes - 50%
 - 5th and 6th week of classes - 25%
- Board and laundry will be pro-rated. After the first day of classes, there will be no refund for certain fees and charges to the cadet. Please refer to the Business Office Policies for this information which can be obtained from the financial advisors listed at <https://www.nmmi.edu/business/>.

Please allow four to six weeks to process your account.

New Mexico Residency Requirements

Enrollment at NMMI is in itself not sufficient to change residency, and NMMI will classify a cadet based on their residency at the time of admission. Per state law, any action which will bring into question residency must be resolved. Legal residency is the person's permanent home, which requires a physical presence coupled with an intent to remain and make that location/state one's permanent home. An individual only has one residence at a time, and retains the former residence until all items are met in the new residence (license, voting, home, living expenses, etc.). At the time of first enrollment, residency is determined by the census date and anyone not meeting residency requirements will be classified as a nonresident. An individual's classification remains as determined at first enrollment, as long as the cadet is a continuing cadet, unless the Registrar's Office has knowledge of a circumstance calling for a reclassification.

An individual is considered a resident if the cadet has lived in New Mexico for over one year (NM physical location). An individual may become a resident of New Mexico through certain steps, but must complete those steps with one year residency before the cadet's status changes to resident. Please see the [New Mexico Higher Education Department \(NM HED\) website](#) to review all residency requirements.

Along with certain waivers/exceptions granted by HED, NMMI grants certain non-resident tuition waivers (proof required) such as:

- Being a U.S. Armed Forces veteran or dependent of a veteran
- College athletes receiving state-funded athletic scholarships;
- Funded service academy preps;
- Residents of state of Sonora, Coahuila or Sinaloa, Mexico;
- Other waivers granted by the Board of Regents.

VA Benefits

NMMI enrolls a number of cadets who drill with National Guard and reserve units (six-year or longer contracts) making them eligible for Chapter 1606 VA benefits. NMMI also grants credit for basic and advanced training, and for certain MOS training applicable to NMMI coursework. Chapter 30, 33, 35 and 1607 benefits are also available. In all cases, cadet will submit a request for benefits application directly to the VA ([gibill.gov website](#)) and NMMI will submit the educational information directly to the VA for the benefit. Except for Chapter 33 benefits, monies are deposited directly to the cadet according to the cadet's VA application and the cadet (and/or parent) is responsible for all fees/expenses to NMMI. Chapter 33 pays tuition and fees directly to NMMI and the remainder (books and living expenses) go to the cadet. NMMI asks

for (as applicable), the application to VA, DD 214's, contract, NOBE and the Certificate of Eligibility before submitting the educational portion of the record. If a cadet has attended another school prior to NMMI, they have the first semester to get a copy of their official record from the previous institution. If the cadet does not submit the previous education records after one semester, we will not submit future VA certifications for the cadet.

Chapter 33 Overpayments and Debts: As of early 2021, the VA does not collect any tuition and fee debts directly from the student. Instead, the VA requires that the school pay back these overpayments. NMMI will then be forced to collect any outstanding balance for tuition and fees from the student.

VA Standards of Progress

Veterans Academic Probation: All NMMI Students are placed on academic probation at the end of the fall or spring semester when their term grade point average falls below 2.0. Students placed on academic probation should meet with their academic advisor prior to the next term. This academic probation status will appear on transcripts. Names of students placed on academic probation are sent to the academic advisors. An academic probation letter is electronically mailed to all students on academic probation informing them of their status and to see their academic advisor. NMMI also will report this academic probation status to the VA.

Veterans Academic Suspension: All NMMI Students are placed on academic suspension at the end of the fall or spring semester when their term grade point average falls below 1.5, or if they were already on academic probation entering the term and their term grade point average falls below a 2.0. An academic suspension letter is electronically mailed to all students on academic suspension informing them of their status. Names of students placed on academic suspension are sent to the academic advisors. Students placed on academic suspension are allowed to appeal this status to the Academic Dean. If they are allowed to return, they will return on academic probation and must meet with the Academic Dean and their academic advisor upon returning. Students on academic suspension are not allowed to return to NMMI for one academic term. A student wishing to return after sitting out one term must re-apply for admission to NMMI.

Removal of Academic Probation: Academic probation is removed when a student's term grade point average is raised to 2.0 or higher for the subsequent fall or spring term.

Termination of VA Educational Benefits: If a student is academically suspended, NMMI is required to terminate the student's VA certification with an "Unsatisfactory Progress" status. Per the VA, schools that allow students to return on academic probation may not indefinitely certify students who remain on academic probation indefinitely. Thus, NMMI will terminate certification if a student remains on academic probation status for two consecutive terms.

Attendance Policy: See [NMMI's attendance policy](#)

Grading System: See [NMMI's grading system](#)

VA Pending Payment Compliance

In accordance with Title 38 US Code 3679(e), this educational institution adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post-9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from VA. This educational institution will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;

- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution. However, to qualify for this provision, such students may be required to:
 - Produce the VA Certificate of Eligibility (COE) by the first day of class;
 - Provide a written request to be certified;
 - Provide additional information needed to properly certify the enrollment as described in other institutional policies

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 website at <https://benefits.va.gov/gibill>.

Financial Aid

The New Mexico Military Institute provides an extensive program of cadet financial assistance. The program has two distinctive areas. One area involves the various federal student aid programs and requires proven financial need. These programs are limited to college students. The second area of assistance involves institutional scholarships available to both high school and college cadets. Current or prospective cadets with a genuine financial need may request special consideration by contacting the Director of Financial Aid, New Mexico Military Institute.

Federal and State Programs

Current laws on student aid programs, which are funded by the federal government and the State of New Mexico, limit such aid to college students. The programs are available to those students who provide evidence of need for this assistance in order to attend college. A family need analysis is part of the application process. Approximately 45% of the college cadets at New Mexico Military Institute receive assistance from these programs. The application priority date is May 1; assistance is awarded after this date depending on availability of funds. More information is available from [FAFSA](#).

NMMI participates in the following Federal Aid Programs which require completion of the FAFSA:

1. Federal Pell Grant Program: The largest federal need-based student aid program providing grant assistance ranging from \$740 to \$7,395 to undergraduate students who are enrolled in a degree or certificate program and have not received their first bachelor's degree. Eligibility is based on demonstrated financial need, cost of education,

and enrollment status. The amount of the student's award is determined using the Federal Institutional Student Information Record (ISIR), Student Aid Index (SAI) and the Payment Schedule provided by the U.S. Department of Education.

2. Federal Supplemental Educational Opportunity Grant (SEOG): Provides grant assistance to students with exceptional financial need. In awarding Supplemental Grants, priority is given to Pell Grant recipients with the highest demonstrated financial need. NMMI limits awards through this program to a maximum of \$4,000 per year.
3. Federal Work-Study Program (FWS): Provides an opportunity for on-campus employment to students with demonstrated financial need. Various academic and administrative departments employ college work-study students in clerical, operational, and other office support functions. Working hours are generally limited to 4 to 6 hours per week. Students are paid at or above the current minimum wage.
4. Federal Stafford Loan Program (Subsidized): *This is a school-initiated process - you must contact the NMMI Financial Aid Office.* Allows students who demonstrate federal financial need to borrow up to \$3,500 for the first year of undergraduate study, and \$4,500 for the second year. Two thousand (\$2000.00) in additional loan funds could be approved. The interest rate is fixed. Interest does not accrue nor does repayment begin on subsidized Stafford Loans until termination of college enrollment on at least a half-time basis. Interest accrued during in-school and the grace period is paid by the federal government. The standard repayment period is up to ten years. Subsidized loans carry a federal origination fee. Net proceeds could equal approximately 98.5% of the loan amount. New borrowers must complete a master promissory note and complete an on-line Entrance Counseling Session to borrow funds through this program.

5. Federal Stafford Loan Program (Unsubsidized): *This is a school-initiated process - you must contact the NMMI Financial Aid Office*

Allows all students regardless of federal financial need to borrow up to \$3,500 for the first year of undergraduate study, and \$4,500 for the second year. This loan option requires approval of the Financial Aid Director. New borrowers must complete a master promissory note and complete an on-line Entrance Counseling Session to borrow funds through this program. The interest rate and origination fee are significantly higher than the subsidized loan program; however, interest accrual begins immediately during in-school and deferment periods. Interest accruing during these periods may be paid or capitalized. Dependent students may borrow up to an additional \$4,000 through this program but only if the student's parent is denied eligibility to borrow funds through the Federal PLUS Loan Program.

6. Federal Parent Loans for Undergraduate Students (PLUS): This program allows parents of undergraduate students who do not have an adverse credit history to borrow up to the full cost of attendance minus other financial aid. The interest rate is fixed. Interest accrual begins on the date of the first loan disbursement. The first payment is due within 60 days after the final loan disbursement. This loan may be deferrable. Plus Loans carry a federal origination fee. Parents must complete a PLUS loan application and master promissory note to borrow through this program.

State Aid Programs (for further information on state financial aid call NM HED at 1-800-279-9777)

1. New Mexico Student Incentive Grant: This program provides a limited number of grants ranging from \$200-\$2500 for especially needy college students who are residents of the State of New Mexico.
2. New Mexico Lottery Success Scholarship: This tuition scholarship is available to New Mexico *resident* students who graduate from a New Mexico high school program, enroll full time in college and establish and maintain a 2.50 cumulative GPA or above with at least 12 credits earned.
3. New Mexico Opportunity Scholarship: Implemented by the State of New Mexico beginning Fall 2020. Scholarship provides tuition and fee assistance for students enrolled in 2-year programs, including credit-bearing certificate or associate degree programs in public institutions of higher education or Tribal Colleges in New Mexico. Eligible students must be:
 - 18 years of age or older (or eligible to receive the NM Lottery Scholarship) at the time of enrollment
 - Be a resident of New Mexico

- Enroll full-time (at least 12 credit hours) in a credit-bearing 2-year program
- Maintain at least a 2.5 cumulative grade point average (GPA)

Scholarships

The scholarship program at New Mexico Military Institute is the result of endowments made by individuals and organizations interested in NMMI and its cadets. Scholarships vary from those whose criteria are very specific to those that are quite liberally expressed. Many are strictly competitive on academic performance while others are awarded on the basis of need. Both high school and college cadets are eligible to compete for scholarship assistance. Consideration is automatic based on receipt of NMMI Formal Application. (Refer to ROTC Scholarship section in this catalog for information regarding the US Army ROTC Scholarships.)

The General Richard T. Knowles Legislative Scholarship Program

The program allows each of New Mexico's 112 legislators to nominate a cadet from their legislative district for scholarship consideration. In addition, non-selected applicants may be eligible to receive an award outside of district. The can be applied toward NMMI charges for up to six total years. Renewal of the scholarship requires the cadet to maintain satisfactory academic progress toward graduation and acceptable performance in the Corps of Cadets. Information on the prestigious General Richard T. Knowles Legislative Scholarship Program may be obtained from the Financial Aid Office.

Satisfactory Academic Progress (SAP)

The NMMI Financial Aid Office is required by Federal regulation to determine whether a cadet is enrolled in a degree-seeking program and is meeting satisfactory academic progress (SAP) requirements. All classes a cadet enrolls in must be required for their declared degree. The cadet's entire academic records are considered in determining eligibility for financial aid whether or not they have previously received aid. The Financial Aid Office reviews academic progress after each semester. For purposes of Title IV consideration, a cadet at NMMI is considered to be making satisfactory progress when (1) the number of credits earned, divided by the number FTE semesters in attendance at any accredited institution of post-secondary education is equal to 12 or more; and (2) maintain a cumulative grade point average (GPA) of 2.00 each semester of attendance at NMMI; and (3) the maximum number of semesters permitted for completion of the course work for an Associate Degree is 6 semester of full-time enrollment. The computation for this phase of satisfactory progress will be accomplished at the end of the academic year. Computation of the credits earned and the cumulative GPA will be accomplished at the end of each semester, but before the beginning of the succeeding semester.

STANDARD*	MINIMUM REQUIREMENT
<i>Qualitative Standard</i>	Maintain a cumulative grade point average (GPA) of 2.00 each semester of attendance at NMMI.
<i>Quantitative Standard</i>	The number of credits earned, divided by the number FTE semesters in attendance at any accredited institution of post-secondary education is equal to 12 or more.
<i>Maximum Time Frame</i>	The maximum number of semesters permitted for completion of the course work for an Associate Degree is 6 semester of full-time enrollment. The computation for this phase of satisfactory progress will be accomplished at the end of the academic year.

* Failure to maintain these standards may result in loss of financial eligibility

SAP NOTIFICATIONS

A cadet will be notified by mail and/or their NMMI email account at the end of each term regarding SAP status for the next semester of attendance. DENY notifications are sent via certified, return-receipt mail. Official letters are also mailed and/or emailed to a cadet to notify them of Financial Aid Appeal results.

SAP notifications are based on available information at the time the process is run. This information is subject to change or correction. Therefore, it is the responsibility of the cadet who has been notified of a SAP status to document and report to the NMMI Financial Aid Office any corrections to information (such as grade changes, etc.) used to determine SAP status. Any aid released to a cadet who is subsequently determined to be ineligible for financial aid under the rules of SAP will be returned and the cadet will be responsible for any balance on their account.

FINANCIAL AID APPEALS (SAP Appeals)

A cadet who is DENY for failing to meet Satisfactory SAP may regain eligibility by successfully appealing to the Financial Aid Committee if he/she had an extenuating circumstance that prevented him/her from successfully meeting SAP standards.

An extenuating/special circumstance must exist and be supported by additional documentation in order to file an appeal to regain financial aid eligibility. A special circumstance may include injury, illness, the death of a relative, or other special circumstance during the term the aid was received. Circumstances do not include a lack of dedication to their studies, not understanding the impact of withdrawals, etc.

All submitted documentation for a Financial Aid Appeal is confidential and only used to verify and support a cadet's appeal.

A cadet may be approved for reinstatement on a probationary status of no more than one term to resolve all deficiencies. A cadet who appeals, but for whom it would be mathematically impossible to resolve all deficiencies in one term, will be placed on an academic plan. Appeals must provide documentation of circumstances on which the appeal is based. Appeals must also specify why the cadet failed to satisfy SAP requirements and what has changed in the cadet's situation. An academic plan will be required to insure counseling and direction.

PROB (Probation) A cadet who successfully appeals may be placed on financial aid probation. Cadets on probation will be eligible to receive financial aid during that period. Reinstatement of aid during this probationary period may be no longer than one term and SAP will be evaluated at the end of the probation term. During the probation term, a cadet must complete 100% of all attempted credit hours with a term and cumulative GPA of 2.0 and satisfactory completion rate. Failure to do so will result in cadet being placed DENY with no appeal.

PLAN (Academic Plan) Cadets may be placed on an academic plan upon submission of a successful appeal. If it is mathematically impossible for a cadet to resolve all deficiencies during one term of attendance and the cadet's reason for appeal is appropriate according to Federal regulations, the cadet may be placed on an academic plan with the end goal being to resolve all deficiencies. An academic plan varies in length and will be determined after the appeal is approved and will not be the same for all cadets. It does not have to equate to the exact number of terms it would take a cadet to resolve all deficiencies. Cadets granted aid eligibility through an academic plan may receive aid for the term. If the cadet is meeting the criteria identified in the SAP appeal approval at the end of the term, the cadet's academic plan may be extended. If cadets fail to meet the terms on the plan, the cadets will be DENY with no appeal.

TRANSFER STUDENTS - The assessment of a cadet's academic progress will be based on the cadet's entire academic record to include all hours from other institutions, whether or not financial aid was received. Transfer students entering NMMI must be enrolled in a program of study which leads to a degree or certificate.

A student's file will not be reviewed until it is complete and all academic transcripts are received.

WITHDRAWING FROM CLASSES – Cadets who enroll in classes are responsible for officially withdrawing from classes which they are not attending or planning to attend. Cadets that stop attending classes and do not officially withdraw will receive a failing grade. In these cases, cadets that received Title IV funds may owe all or a

portion of the money received back to the school and/or the Federal Government.

NOT ATTENDING CLASSES - The law makes clear that Title IV funds are awarded to a cadet under the assumption that the cadet will attend school for the entire period for which the funds are awarded. If a cadet never attends at least one class then the cadet is not eligible for Title IV funds.

NMMI Federal Refund Policies

Return of Title IV Financial Aid / Official and Unofficial Withdrawals

Title IV funds are awarded to a cadet under the assumption that the cadet will attend school for the entire period for which the assistance is awarded. When a cadet withdraws (officially or unofficially) the cadet may no longer be eligible for the full amount of Title IV funds that the cadet was originally scheduled to receive.

NMMI is a military boarding school. Class attendance is mandatory and monitored daily. Should a cadet leave the NMMI campus with the intention of not returning the Registrar and/or Commandant's Office would be alerted by monitoring staff.

Official withdrawal – Cadet begins the official withdrawal process or provides official notification to the school of his or her intent to withdraw, the date of the institution's determination that the cadet withdrew would be the date the cadet began the official withdrawal process, or the date of the cadet's notification, whichever is later.

Unofficial withdrawal – Cadet ceased attending classes and did not begin the official withdrawal process or provide notification of his or her intent to withdraw or leave the school, the date of the institution's determination that the cadet withdrew would be the date that school becomes aware that the cadet ceased attendance.

The Higher Education Amendments of 1998 changed the formula for calculating the amount of aid a cadet and school can retain when the cadet totally withdraws from all classes. If a cadet withdraws from NMMI, the school, the cadet, or both may be required to return some or all of the federal funds awarded to the cadet for that semester.

If a recipient of Title IV grant or loan funds withdraws from a school after beginning attendance, the amount of Title IV grant or loan assistance earned by the cadet must be determined. If the amount disbursed to the cadet is greater than the amount the cadet earned, unearned funds must be returned. If the amount disbursed to the cadet is less than the amount the cadet earned, and for which the cadet is otherwise eligible, he or she is eligible to receive a Post-withdrawal disbursement of the earned aid that was not received.

Please note that if the cadet never actually began attendance for the payment period or period of enrollment, the cadet is not eligible for Title IV funds, and adjustments to awards must be made.

This policy applies to all Title IV federal aid recipients with disbursed aid from any of the following Federal programs: Federal Direct Stafford Loans (unsubsidized and subsidized), Federal Perkins Loan, Federal Direct PLUS Loans (Graduate and Parent), Federal Pell Grant, Federal Academic Competitiveness Grant (ACG), Federal National SMART Grant (SMART), and Federal Supplemental Education Opportunity Grant (SEOG), and TEACH Grant.

A cadet who withdraws from all classes prior to completing 60% of the enrollment term is subject to having their aid adjusted based on the percentage of the term completed. Up through the 60% payment period or period of enrollment, a prorated schedule is used to determine the amount of Title IV funds the cadet has earned at the time of withdrawal. After the 60% point the payment period or period of enrollment, a cadet has earned 100% of the Title IV funds he or she was scheduled to receive during the period.

The formula used in the federal Return to Title IV (R2T4) calculation divides the aid disbursed to cadet accounts into "earned aid" and "unearned aid." During the first 60% of the period of enrollment (semester), cadets "earn" Title IV funds in direct proportion to the length of time the cadet remains enrolled. "Unearned" aid is the amount of disbursed Title IV aid that exceeds the amount of aid earned under the formula. Cadets contemplating withdrawal from all classes PRIOR to completing 60% of the term should contact the Financial Aid Office to discuss how this will affect their financial aid and satisfactory academic progress status.

(For example, a cadet who withdraws from all classes after completing only 30% of term only earns 30% of aid disbursed or received on their account. As a result, the school or cadet must return the 70% of the disbursed/received aid that was not earned.)

Example of how Return of Title IV is calculated: The percentage of the period a cadet remains enrolled is derived by dividing the number of days attended by the number of calendar days in a term/semester (excluding breaks of 5 consecutive days or more). This is referred to as the percentage completed (% completed).

EARNED aid is calculated as follows: Total aid disbursable multiplied by % completed

If EARNED aid equals disbursed aid, no action is required.

If EARNED aid exceeds disbursed aid and the cadet still has aid that has not disbursed, the university must calculate a post-withdrawal disbursement. The cadet is notified by letter, email, or phone regarding the aid to be disbursed to the cadet account and to verify whether or not the cadet wants funds disbursed for the term. The cadet will be given 14 days from the offer to respond to the inquiry. The Financial Aid Office has up to 180 days to disburse funds after

the withdrawal date has been determined. (This is for post withdrawal disbursements) If EARNED aid is less than disbursed aid, the school must calculate the difference to be returned by the school and by the cadet.

The calculation is as follows: [A]UNEARNED aid: Total aid disburseable minus EARNED aid [B]Percentage of UNEARNED aid (% UNEARNED): 100 minus % completed

The school's share of the "unearned" aid is the lesser of the total amount of "UNEARNED aid" [A] or the school charges multiplied by the "Percentage of UNEARNED aid" [B]. This amount must be returned by the school.

The cadet's share is the difference between the total unearned amount and the school's share. UNEARNED aid minus school's share equals cadet's share. This amount must be returned by the cadet.

The Financial Aid Office must complete the R2T4 withdrawal calculation within 45 days from the date the University determines the cadet withdrew. Cadets are responsible for any balance on their cadet accounts due to official or unofficial withdrawal calculations.

Academic Information

Academic Organization

Academic offerings are grouped into five divisions each headed by an Associate Dean who exercise close supervision over course content and instructional procedures. The divisions are Humanities (including art, English, foreign languages, communications, philosophy, and music); Natural Sciences and Mathematics (including biology, chemistry, geology, physics, and mathematics); Social Sciences, Business Administration, and Criminal Justice (including criminal justice, business, political science, history, sociology, psychology and computer concepts and ROTC programs); Health, Physical Education and Physical Performance; and Library and Cadet Academic Services. Junior and Senior ROTC - senior (college) ROTC programs are operated by active duty officers and non-commissioned officers of the Department of the Army while Junior ROTC offers leadership courses for the high school taught by retired officers/non-commissioned officers.

Courses are offered leading to the high school diploma, Associate in Science and the Associate in Arts degrees. Pre-professional curricula at the college level addresses concentration areas and specializations.

The Institute's college programs are accredited by the Higher Learning Commission of the North Central Association. The high school academic program is accredited by Cognia as "College Preparatory." The Institute does not offer vocational-technical programs.

Authority in Academic Affairs

The Board of Regents have final authority in all academic matters pertaining to high school and college cadets. The Dean is primarily responsible for addressing academic procedural matters.

The New Mexico Military Institute Board of Regents' reserves the right to change or withdraw, without notice, courses, curricula, policies, tuition, fees, or any other matter contained in this catalog. Such changes are recorded in the Registrar's Office.

An entering college cadet falls under the requirements stated in the catalog at the time of admission or the catalog in effect at the time of return. A college cadet may elect to change to the current catalog upon written request.

Academic Requirements and Policies

New Mexico Military Institute is first and foremost a strong academic institution. The policies in the academic area are designed to underscore this fact to maintain the strong reputation of the degrees and diplomas held by NMMI graduates. Failure to meet minimum academic standards can lead to suspension.

Class Level Designation

Sixth Class (high school freshman). Approximately 65-140 high school freshmen are admitted to New Mexico Military Institute each year.

Fifth Class (high school sophomore). A cadet must have completed five-and-one-half academic units that apply toward the high school diploma.

Fourth Class (high school junior). A cadet must have completed eleven academic units that apply toward the high school diploma.

Third Class (high school senior). A cadet must have completed seventeen academic units that apply toward the high school diploma.

Second Class (college freshman). A cadet must have a high school diploma or an equivalent from an accredited high school or a GED, and meet other minimum admissions requirements.

First Class (college sophomore). A cadet must have completed 30 academic units that apply toward the associate degree.

Class Attendance

Attendance at all scheduled classes is mandatory and considered essential to the discipline and education of each cadet.

Class Add/Drop Procedures

Cadets may freely add or drop classes through the first two weeks of a semester.

Cadets who wish to drop a course must initiate the drop with the academic advisor. High school cadet drops are then routed through course instructor to the Associate Dean, the Principal and the Registrar.

The last day for cadets to drop a class with a (W) is the Friday of the 10th week of classes. Drops after this date are graded WP or WF. WF grades will affect the cadet's GPA. Drops are accepted through the end of day on the last day of academic classes prior to the start of academic retreat for final exams. Drops are not approved after final exams begin.

Grades/Grading System

NMMI's grading system is a 4.0 system with no extra credit given for honors or college courses. Grades with a "T" or "D" prefix are special grades for either transfer work (TA, TB, etc.) or department (DA, DB, DC, etc.). Transfer grades will show on transcripts, but, department grades will only show on progress reports/report cards. "TR" grade is a special college transfer grade which awards earned credit toward graduation, but does not directly affect the GPA. However, a "TR" grade replacing an "F" or "D" grade earned at NMMI will raise the cumulative GPA (Quality Points Earned divided by GPA credits). "TR" grades have no value towards Quality Points or GPA credits, whereas an "F" or "D" grade do. The "TR" grade will wipe the negative impact that the "F" or "D" has on the GPA credit divisor, thus cumulative GPA will be raised.

AU	Audited course (Does not count as a course for awards)
S	Satisfactory
P	Pass
TR	Transfer grade (Counts towards total credits earned, but not GPA credits)

TA, TB, etc.	High School transfer grades (Used to indicate the grade transferred from another school. Factors into GPA)	Same as letter grade
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DA, DB, etc.	Letter grade for department (Used for Honor status/awards such as Superintendent's List, Dean's List, Commandant's List, etc.)
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Cadets may retake a course in an attempt to raise a grade. If a higher grade is made the second time the course is taken, the lower grade is removed from the overall GPA but remains on the transcript. Credit hours will not be awarded twice for the same course. If taken outside of NMMI, a "TR" grade will not affect GPA (cumulative) unless the first grade is "F" or "D" because of the repeat policy.

Honor Code/Academic Forgiveness

The normal repeat policy for NMMI is to grant credit only for the highest grade. However, if a cadet taking a college course is found in violation of the honor code by cheating, the cadet will receive a grade awarded by the instructor (normally an "F" grade) for that course. Any repeat of that course will be assigned both grades (no academic forgiveness) for the GPA. Thus a cadet may receive both the "F" and any subsequent letter grade earned.

Academic Standing Awards (Term) Superintendent's List

To qualify for the Superintendent's List a cadet (both high school and college) must earn a minimum GPA of 3.50. The high school cadet must be carrying a load of five* solid subjects (excluding LET) and the college cadet a minimum of 14 non-developmental semester hours. Additionally, the cadet's department grade must be an "A." Cadets who take grades of Incomplete are not eligible for the Superintendent's List in the semester in which the Incomplete is received. Credits from developmental courses will not apply.

* New high school freshmen and first semester sophomore cadets will be eligible for the Superintendent's List while taking four solids, if they meet the other requirements. High school seniors, entering a

A+, A, A-	Excellent (100-90)	4.00
B+, B, B-	Above Average (89-80)	3.00
C+, C	Average (79-70); C- no longer used as of Fall 2013	2.00
D	Below Average (69-60); D+ and D- not used	1.00
F	Failing	0.00
W	Withdrawn	
WP	Withdrawn while passing (WP/WF used after 10th week of school)	
WF	Withdrawn while failing (Affects GPA)	0.00
I	Incomplete (Semester grade; must be made up within one semester or becomes "F" grade)	

term with a cumulative GPA of 3.00 or above, will be eligible for the Superintendent's List while taking four solids.

Dean's List

To qualify for the Dean's List a cadet (both high school and college) must earn a minimum GPA of 3.25. The high school cadet must be carrying a load of five* solid subjects (excluding LET) and the college cadet a minimum of 14 non-developmental semester hours. Additionally, the cadet's department grade must be an "A." Cadets who take grades of Incomplete are not eligible for the Dean's List in the semester in which the Incomplete is received. Credits from developmental courses will not apply.

* New high school freshmen and first semester sophomore cadets will be eligible for the Superintendent's List while taking four solids, if they meet the other requirements. High school seniors, entering a term with a cumulative GPA of 3.00 or above, will be eligible for the Dean's List while taking four solids.

Commandant's List

To qualify for the Commandant's List a cadet (both high school and college) must earn an "A" or "B" in department and have a GPA of 2.75 or higher during a semester.

Along with the Superintendent's, Dean's and Commandant's Lists, there are several other end of term academic standing awards. The following table lists all term academic standing awards and the criteria for each:

Academic Standing Awards	Term GPA	Term Department Grade	Notes
Superintendent's List	3.50-4.00	A	See Superintendent's List section above for course load requirements and certain exceptions
Dean's List	3.49-3.25	A	See Dean's List section above for course load requirements and certain exceptions
Commandant's List	2.75-3.24	A/B	Or those with 3.25 and above who do not meet SUPT/DEAN List course load requirements
Good Standing	2.00-2.74	A/B	
Good Standing	2.00-4.00	C	
None	2.00-4.00	D/F	
Academic Probation	1.50-1.99	A through F	
Academic Standing Awards (continued)			
Academic Suspension	1.50-1.99*	A through F	* If the cadet was on Academic Probation after the previous term
Academic Suspension	0.00-1.49	A through F	

Academic probation/suspension: While in attendance at NMMI a term grade point average (GPA) of 2.00 is required of all cadets in order to maintain “good academic standing.” Any NMMI cadet whose term GPA falls below 1.50 at the end of a semester may be subject to **Academic Suspension**. Any NMMI cadet whose term GPA falls between 1.50 and 1.99 at the end of a semester is placed on **Academic Probation**. A cadet, on Academic Probation, then has one more semester in which to attain a term GPA of 2.00 or better. Failing to do so, may result in Academic Suspension. Any cadet whose term GPA falls below 2.00 will be evaluated in the academic review process. A cadet, who is placed on Academic Suspension, may appeal this status through the Office of the Dean.

Credit by Examination

College Level Examination (CLEP)

College credit is allowed for successfully completing the various CLEP tests. CLEP credit may be transferred to the Institute to meet graduation requirements, although the Institute does not use CLEP scores in computing a cadet's grade point average. A cadet must attain a CLEP mean scale score equivalent to a final course grade of "C" on a scale published by the College Entrance Board or as determined by NMMI. Credit hours awarded are based on ACE recommended guidelines. Some courses NMMI does not accept for transfer credit. See the CLEP administrator or Registrar for current passing scores and transfer.

Advanced Placement (AP)

College credit is allowed for successfully completing the various AP tests. AP credit may be transferred to the Institute to meet graduation requirements, although the Institute does not use CLEP scores in computing a cadet's grade point average. Current credit policies can be accessed on the [College Board website](#).

ACTFL Assessment

College credit is allowed for successfully completing the ACTFL proficiency tests. Credit may be granted towards graduation upon receipt of official scores on the ACTFL Oral Proficiency Test (OPI), although the Institute does not use these scores in computing a cadet's grade point average. Up to 12 hours of language credit may be granted based on the [ACE recommended guidelines](#).

Challenge Examination:

With the Academic Dean's approval, a cadet may challenge a course offered at NMMI. If successfully challenged, usually by passing a test prepared by the academic department concerned, credit for the course will be shown on the transcript. Challenge actions are initiated by the cadet with the approval of the head of the appropriate academic department. A fee for the challenge examination will be required in accordance with current Board of Regents' policies. Challenge examination results are reported on a "Credit" basis on the transcript. Challenge credits do not affect grade

point averages. Neither challenge nor CLEP credits satisfy minimum load requirements to maintain cadet status (must be full-time status). A challenge exam may not be attempted if the cadet is enrolled in the course beyond the end of the add/drop period or has already received a final grade (to include audit, W, WF, I, P, AU or WP) for the attempted course. A challenge exam must be completed prior to midterms, without special permission. Under certain circumstances, a cadet may retake the challenge exam.

Graduation Procedures

The semester prior to graduation, after scheduling starts for their final semester a cadet must apply for graduation. Those planning to graduate must complete the application for graduation at that time. All graduates are expected to participate in the graduation exercise unless specifically excused by the Academic Dean.

At the last formal grading period prior to graduation, the Registrar assesses all graduating cadets to place the top cadets (at this grading period) in Highest Honors, High Honors and Honors. The Registrar then publishes this listing for staff, faculty and cadets. Faculty must ensure that all grades are in on graduates before graduation. When all grades are in, the Valedictorian and Salutatorian are determined based on final grades. The actual award is not posted to the transcript until all grades are final, official, and grading is closed.

Mid-year graduates have their own formal ceremony, at the end of the fall term and will not participate in the spring ceremony.

Graduating with Honors

Graduates who have attained certain levels of academic excellence will be recognized in the graduation exercises according to the following scale:

Graduation with Highest Honors	4.00-3.75
Graduation with High Honors	3.74-3.50
Graduation with Honors	3.49-3.25

Academic Resources

J. Penrod Toles Learning Center Building

Opened in 1985, this modern facility combines the traditional architecture of the campus with modern functions, aesthetics, and technology. As a focal point of the Institute's academic life, the Learning Center is the home of Paul Horgan Library, Toles Learning Resources Center, Writing Center, College and Career Center, and Mabee Lecture Hall.

For more information and an introduction to our resources, please visit the Library's website: <https://www.nmmi.edu/paul-horgan-library/>

Paul Horgan Library

The library offers cadets opportunities for intellectual growth and discipline within a very comfortable and user-friendly environment. An educated person must locate, interpret, and apply information on many subjects in a variety of presentation formats. To be prepared for the next level of education, cadets must analyze, evaluate, and synthesize information from varied sources. In so doing, students will acquire knowledge and skills, which will contribute to a life of learning with a global perspective.

Organized using the Dewey Decimal System, the collection contains over 200,000 items in physical, digital, and audio-visual formats. Our web page connects cadets to our online library catalog, and access to databases consisting of thousands of electronic resources, which are available 24/7 from any internet-connected device. Our subscription to World Catalog allows us to borrow resources from other libraries across the United States.

Toles Learning Resource Center

In keeping with its charter, the Toles Learning Resource Center (TLRC) offers programs, activities and strategies to support and enable cadets to experience academic success, maximize learning potential, produce high quality work, succeed in a multi-cultural world, and be prepared for a full range of options and opportunities. Cadets can get help with time management, reading and writing enhancement, math strategies, general study skills, and ACT/SAT preparation as well as seek information on how best to prepare for furthering their education. Formal courses and individualized help are offered to assist cadets to reach academic and life goals. The College and Career Center, a part of the TLRC has an extensive collection of resources on careers, colleges, universities and professional school catalogs, personal finances, financial aid, and college life. Cadet may seek career counseling, skills assessments, interest inventories, and information on academic competitions, awards, and prizes.

Writing Center

The Writing Center provides support to every cadet who needs assistance with his/her writing. Staff guide students through the writing process - from brainstorming ideas to polishing a final draft. The Center's goal is to assist students as they develop their writing and editing skills during their transformation to talented, competent writers. In addition to being open during night study hall, the Writing Center hosts a webpage with additional information and links to help cadets improve their writing.

College and Career Center

The College and Career Center houses an extensive collection of college information from both domestic and international schools, testing information, test preparation programs and applications. Through Internet connections, cadets may research information on colleges and universities and complete on-line applications.

The Career Information System (CIS) is a college and career research tool available to all cadets. In addition to researching colleges and careers, cadets can complete assessments to help them determine what occupations may be a good fit for them as well as complete scholarship searches. CIS also has a resume building tool as well as information about applying for and interviewing for jobs. Cadets can access CIS through their MyNMMI portal, using their cadet number (with zeroes) as their username and 2013Nmmi as their password. Cadets needing assistance with CIS should stop by Toles for assistance.

College Advising Center

Our trained college advisors support students' career planning processes as well as guide them through their transitions to college life. Advisors work with students to develop a course of study, which not only meets their academic study goals at NMMI, but also assists in a smooth transfer to a four-year college or university. College athletes work with our athlete academic advisor to ensure they take a program of courses that helps them graduate on time, maintain NJCAA eligibility and qualify for transfer to their next institution. Cadets who have not declared a concentration are assigned to an advisor within the Toles Learning Resource Center. Cadets who are planning on applying to a US Service Academy will be assigned to the Academy Prep Director for advising, unless they declare a concentration.

Early Warning System

The Early Warning System is used to identify at-risk students so appropriate interventions can be utilized. These interventions range from dorm room visits during Night Study Hall for the purpose of encouraging students and offering suggestions for improvement to assignment in special programs such as Guided Night Study Hall and Mandatory Night Study Hall, which help students develop effective study habits and gives them an opportunity to study in a closely monitored venue.

Academic Assistance

Academic Assistance is a class which provides high school cadets who are struggling in their current coursework a protected time to work on academics. In addition to subject-specific tutoring, students receive guidance in time management, organization, goal setting, and other academic success strategies.

ACT/SAT Program

NMMI offers an ACT/SAT preparatory program each semester. These courses give the cadet a knowledge base as well as the opportunity to develop skills used in the testing process. This rigorous course provides high school and college students with formal ACT/SAT preparation to help with college placement, scholarship competition, and Service Academy qualification.

US Academy Preparation (Prep) Program

NMMI participates as a receiving school for the service academy preparatory programs. The Air Force Academy (Falcons), West Point (Association of Graduates), and the Naval Academy Foundation

sponsor qualified students to attend NMMI for one year and participate in both the academic program and the Corps of Cadets. Additionally, the Admissions Department of the United States Merchant Marine Academy sponsor students to attend NMMI for a year. Following a successful year at NMMI, these prep students receive appointments to the academies.

International Center (IC)

NMMI International Center was established for the purpose of enhancing the educational experience of international students on the NMMI campus. One of the IC's major goals is to assist international students in adaptation and acclimation to this new cultural experience, facilitating the process for them to become comfortable in their new environment.

The IC promotes diversity and cultural awareness, resulting in positive interaction between international and American students. It is also responsible for promoting Study Abroad programs and facilitating cultural opportunities on campus.

The IC is a resource for both international parents and students, serving as a source of information to navigate the school system and the requirements involved in studying in the US.

Mabee Lecture Hall

This 220 seat auditorium is used for classes, lectures, and weekend movies. It is a meeting venue for on and off-campus organizations. Audiovisual resources include wired and wireless microphone systems, video projection from computer, DVD or VHS formats, document camera, and excellent room light control.

Suspension, Withdrawal and/or Dismissal Policy

Withdrawal Process

Cadets or cadet parents may initiate a withdrawal process (parents will be contacted if cadet is under 18 years of age) for any reason. Upon request to either the Commandant's Office or Registrar, the information gets passed to the Commandant's office for coordination with the parents as appropriate, and discussion with the parents and cadet. The Deputy Commandant of Operations then coordinates with the Registrar's office which produces an out-processing checklist for the cadet. The cadet will complete the checklist (if the cadet is still at NMMI) through all offices that the cadet has had contact with (e.g. infirmary, cadet store, library, business office, NMMI post office, financial aid, etc.) and will then clear his/her room after an inspection by the Commandant's office. The checklist will show date of departure and reason and must be completed either by the cadet or the cadet's TLA in the cadet's absence. High school cadets will receive withdrawal grades for the gaining school to use for transfer.

Academic work after suspension/dismissal/withdrawal: Cadets suspended/dismissed/withdrawn are not permitted to take final examinations nor participate in any further academic assignments.

Cadets who have been suspended must regain "good standing" within the academic division (college or high school) from which they departed before they are permitted to participate in challenge examinations and/or be awarded a diploma or degree. Normally a cadet regains "good standing" after the application for enrollment has been approved by the Admissions Committee and the cadet attends academic classes for a semester. However, a cadet, not otherwise eligible to return to NMMI (suspended/depart in lieu of), may regain "good standing" upon the recommendation of the Commandant (deportment) or the Academic Dean (academic) with the approval of the Superintendent/President.

Final grading after suspension/dismissed/withdrawn: Cadets suspended/dismissed/withdrawn **before the 10th week** of school will receive a W on their transcript. Cadets suspended/dismissed/withdrawn **after the 10th week** of school but before the end of the last day of classes will receive a WP/WF on their transcript. In either case, high school cadets will receive withdrawal grades for the gaining school to use for transfer. If the cadet is suspended/dismissed/withdrawn **after the last day of classes (1530 hours), but before or during finals** the cadet will receive a final grade for the class computed with a zero grade for finals not yet completed. Any cadet suspended or dismissed prior to graduation will not graduate with his/her class. Suspended cadets must regain good standing (as specified above) to receive their diploma.

Cadets who complete all course requirements, including final exams, will receive letter grades on their transcripts for all courses completed. However, if a cadet **completes all work toward a high school diploma or associate degree but is dismissed or suspended just prior to graduation**, but after the last day of classes, that cadet will not receive his/her diploma or degree, nor take part in graduation. The transcript for high school cadets will be annotated "Met NMMI requirements for graduation. Diploma not awarded. Cadet withdrew." However, a cadet, may regain "good standing" upon the recommendation of the Commandant (deportment) or the Academic Dean (academic) with the approval of the Superintendent/President.

Withdrawal due to military emergency: For cadets in the military who withdraw due to a military emergency (national defense purposes) the following conditions apply:

- Non-graduating cadets withdrawing prior to the 12th week of classes will receive a "W" and a full refund of all tuition and fees;
- Non-graduating cadets withdrawing after the 12th week will receive full credit for the course if they have earned a letter grade of "C" or better;
- Classes where the grade is below a "C", the cadet will receive a "W" grade;
- Graduating cadets who have completed at least nine weeks of work with a grade of "C" or better may be eligible

for graduation, if their work, all other academic work, Corps requirements and financial requirements are complete at the time of withdrawal.

Readmission of withdrawn or suspended cadets: Withdrawn or suspended cadets (academic or deportment) may apply for readmission to the Institute; however, dismissed cadets may not. A cadet who has been placed on suspension may apply to NMMI after a break of at least one semester. The application for readmission must include evidence that the cadet/cadet's record has improved to the extent that success at NMMI is probable. A cadet who is suspended (deportment) may regain good standing status and only then may transfer work back to meet graduation requirements.

The Registrar will report a cadet's conditional admission and enrollment or probationary status to the cadet, the cadet's parents, advisor, and the Dean.

Dismissed cadets: Dismissed cadets will not be allowed to reapply to NMMI. Dismissed cadets will also not be allowed to regain "good standing".

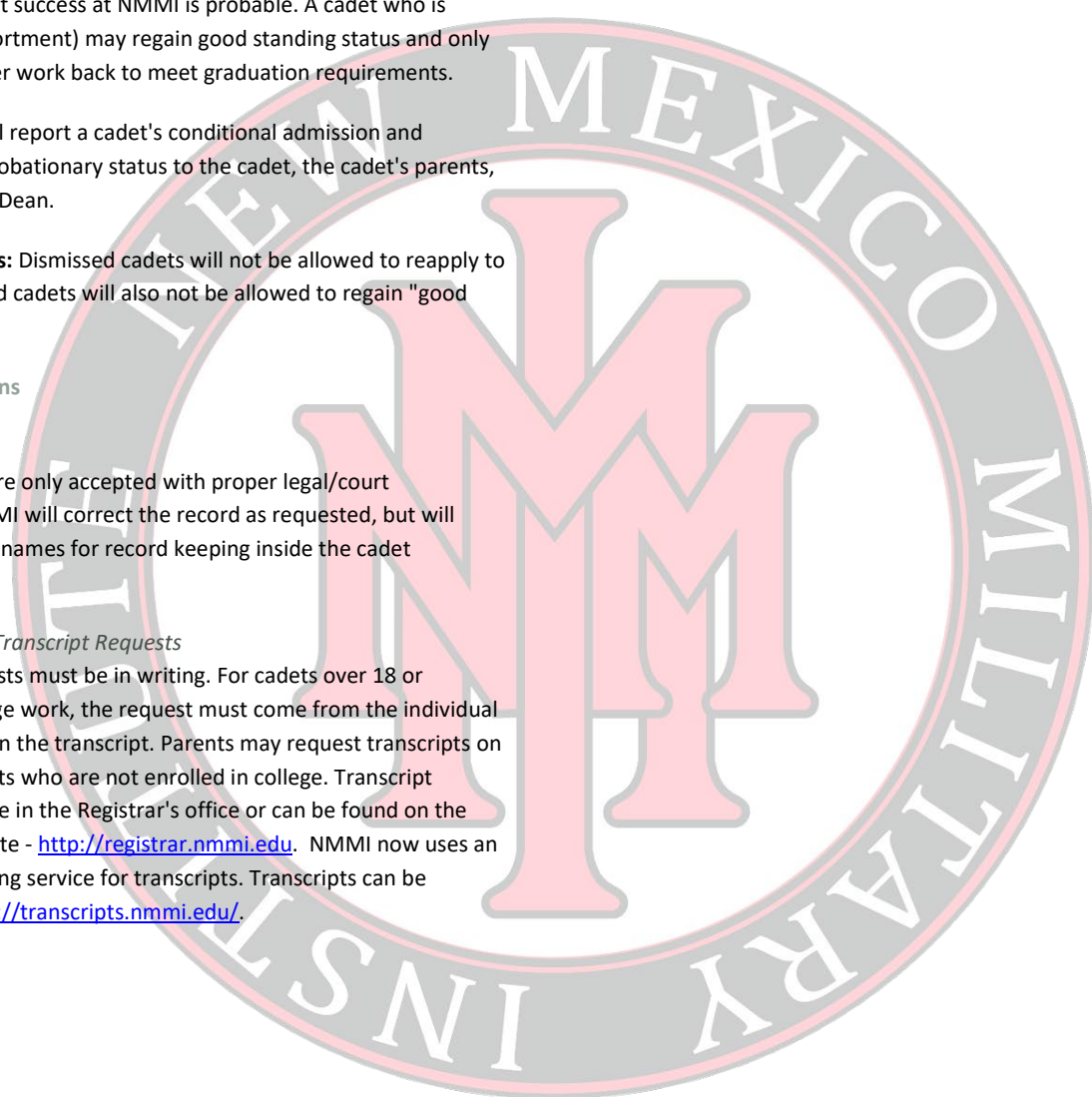
Registrar's Actions

Name Changes

Name changes are only accepted with proper legal/court documents. NMMI will correct the record as requested, but will maintain former names for record keeping inside the cadet database.

Transcripts and Transcript Requests

Transcript requests must be in writing. For cadets over 18 or enrolled in college work, the request must come from the individual whose name is on the transcript. Parents may request transcripts on high school cadets who are not enrolled in college. Transcript request forms are in the Registrar's office or can be found on the Registrar's website - <http://registrar.nmmi.edu>. NMMI now uses an electronic ordering service for transcripts. Transcripts can be ordered at <https://transcripts.nmmi.edu/>.



High School College Preparatory Program

curricular) suggests that there is reasonable probability the cadet can successfully handle the overload.

High School Distance Learning/Summer School Standards

Distance learning courses (correspondence and on-line) and summer school courses must meet the following criteria:

- All courses must be approved by the Vice Dean/High School Principal and validated by the cadet and the advisor as fitting in the cadet's graduation plan. This will allow a cadet to take advanced courses to graduate early or make up failures.
- While enrolled, a cadet must take the NMMI core course requirements for graduation. A cadet may repeat an NMMI course to improve their grade with the exception of NMMI capstone courses (currently English 4A/4B). This may not take place during the academic year with the exception of the last semester of the graduation year.
- Cadet must take the course at NMMI if offered except for when a course cannot be scheduled due to a conflict. On-line courses must have a mandatory valid login/contact with proctored final exams.
- Correspondence/on-line courses may not be taken during the academic semester that a cadet is enrolled in or has withdrawn from a parallel NMMI course.
- Private tutoring or home schooling must be from a recognized accredited source.
- The number of transfer courses from distance learning/summer school cannot exceed two (2) credits/4 courses earned while enrolled at NMMI.
- A maximum of one 1.0 credit earned after leaving the Institute in good standing may be submitted to fulfill graduation requirements. The appropriate academic division head and the Academic Dean must approve post-NMMI courses to meet graduation requirements.

Transfer of High School Credits

High school cadets may transfer credits at the time of admission from accredited programs provided that a passing grade was attained in each course transferred. Credits shall be transferable with no loss of value between schools. A grade of "TR" for satisfactorily completed classes will be recorded for credits awarded by non-accredited educational entities. All high school graduates must complete high school graduation requirements prescribed by NMMI. Course descriptions may be required for transfer of courses to meet NMMI requirements for graduation.

High School Admission

New cadets are admitted only at the beginning of the Fall and Spring semesters.

Accepted applicants are placed in classes at New Mexico Military Institute in accordance with the number of credits earned at the time of initial enrollment. Progress through the curricular requirements is performance rather than time based. Curricular requirements will not be waived.

Normal Course Load

The normal academic load for all high school freshmen and first semester high school sophomores shall be four solids plus leadership education (JROTC) and physical education (P.E.). The academic portion of the admission's matrix will be used to determine if a cadet shall be initially placed in academic assistance.

For all other high school cadets, the normal academic load is five academic solids plus leadership education (JROTC) and physical education (P.E.) every semester (3.25 credits). JROTC and .25 credit courses are not considered solids. The minimum academic load is four academic solids plus JROTC and P.E. (2.75 credits) with written permission from parents as the cadet is no longer eligible for Superintendent's or Deans' List.

The length of time it will take an entering cadet to satisfy the requirements of the high school diploma will depend on the number of acceptable units submitted on entrance. An entering Fifth Classman (sophomore) will have three years to accumulate the required units, whereas an entering Third Classman (senior) may find that completion will take longer than a year's time. This fact must be recognized by all those admitted who expect to earn a high school diploma.

Overloads

Cadets with a 3.0 GPA or above from the previous grading period may take more than five solids with the recommendation of their academic advisor. The Vice Dean/High School Principal must authorize more than five solids for high school cadets. Overloads are not recommended for a cadet with a GPA of less than 3.0 from the previous semester's grading period. Upon the cadet's request and with the recommendation of the academic advisor, an overload may be authorized if the cadet's schedule (academic, athletic, extra-

Home-school cadets transferring to the Institute from a program accredited by a national/regional recognized accrediting agency will have credits accepted as transfer credit (letter grade) with no loss of credit/value. Lab science credits will be validated to ensure those courses were taken in a lab format.

Cadets entering from non-accredited programs will have all coursework validated by the appropriate department for credit. Courses not validated will not earn credit. Math credits will be awarded by course syllabus or by passing, with a minimum score of 70, the Math Placement Exam for the equivalent course.

Cadets from non-accredited schools or schools where the coursework is not in an English environment must pass one semester of a higher level of English at NMMI to receive prior English credit. For example: a cadet entering as a high school junior must complete one semester of a senior (higher level) English at NMMI to receive credit for previous courses.

High School Residence/Course Completion Requirements

A minimum of four credits earned at NMMI and two semesters in residence are required for an entering third classmen to graduate from NMMI. Successful completion of NMMI's capstone courses English 4A & 4B and a minimum of one year of NMMI mathematics at the Algebra 2 level or above are required for high school graduation.

Scholastic Tests

All high school cadets are required to take the American College Testing (ACT) examination or SAT examination as a graduation requirement. A cadet who is not a citizen of the United States and whose primary language is not English, may elect to substitute the Test of English as a Foreign Language (TOEFL) for the ACT/SAT. The Pre-SAT 8/9 test is administered in the freshman year, the Pre-SAT 10 test is administered in the sophomore year and the PSAT (Preliminary Scholastic Aptitude Test), for National Merit Scholarship Requirement, in the fall semester of the junior year. Official SAT testing is completed in the junior and senior years. The Armed Services Vocational Aptitude Battery (ASVAB) test is completed in the junior year.

Concurrent Enrollment

A high school cadet may be permitted to take college courses concurrently with high school courses with permission of the appropriate Associate Dean and the Vice Dean/High School Principal.

A cadet, concurrent enrolled, will be enrolled in a college course and the high school equivalent of the college course (HIST 1110 and HIST 1110H). The cadet will have an official college transcript separate from the high school transcript. The college transcript will contain only college semester hours and grades. The high school transcript will indicate .50 credit for a 3.00 or more semester hour course and .25 credit for a 1.00 course. The semester and cumulative Grade Point Average for both high school and college will be affected by the grade earned.

A cadet may satisfy the requirement for the high school diploma while enrolled in college subjects through concurrent enrollment.

Due to NMMI's low class sizes, there may be times when a high school cadet previously approved for a college class may be removed, in favor of a college cadet.

High School Scholars & Dual Graduate Programs

Our high school scholars and dual graduation programs are designed for those exceptional high school cadets seeking a greater academic challenge. For information on these programs, visit the High School Academic Excellence section.

National Honor Society (NHS)

The National Honor Society Chapter enables the faculty to select and recognize those members of the 10th, 11th and 12th grades who are outstanding scholars and leaders. Each cadet chosen has demonstrated academic ability, leadership, character, and service to his/her peers. Naturally, the honor becomes more difficult to attain as the cadet matures and course work becomes more difficult. Thus, membership at the 12th grade level is a major criterion for acceptance by leading colleges. National Honor Society selection at NMMI requires a 3.4 or higher cumulative GPA.

High School Graduation Requirements

The NMMI high school curriculum is a college preparatory curriculum. Twenty-three (23) credits are required for graduation. NMMI graduates must successfully pass NMMI English courses 4A and 4B, and a minimum of one year of NMMI mathematics at the Algebra 2 level or above.

Taking either the American College Test (ACT) or SAT is a requirement for the high school diploma. A cadet who is not a citizen of the United States and whose primary language is not English may elect to substitute the Test of English as a Foreign Language (TOEFL) for the ACT with the approval of the Vice Dean. The following are the high school course subject requirements:

Communication Skills/Modern Language (Credits 2.50)

Successfully completing a semester course at the high school or junior college level generates .50 credit. Two and one-half credits are required to include two credits from the same modern language (e.g. two years of French) at any level and .50 credit in communication skills. Speech, Myths and Folktales, Current Events, Introduction to Drama, and similar courses as well as the third year of a language meet this .50 credit requirement.

An entering 5th classman (HSSO or higher) with less than two credits of a language not offered by NMMI may complete the requirement by taking the remaining credits in another language.

All HSF and HSSO are required to be enrolled in modern language. Exceptions must be approved by the Department Chair of Modern Languages. Students who are non-native speakers with prior experience that is not covered by the transfer policies can receive credit for previous semesters by successfully completing a course or by challenging the course. Native speakers are not allowed to enroll in or challenge Modern Language courses for their native language with the exception of Heritage Speakers courses. Otherwise, they must take an approved proficiency test to receive credit.

Students with prior experience in a modern language will be given credit for previous classes upon successful completion of the course into which they were initially placed

Students seeking enrollment in NMMI language courses are required to take a language placement test administered in accordance with Modern Language Department policy.

BUS 035 - General Business
COM 031 - Speech
ENG 025 - Myths and Folktales of the World
CHN 011 - Chinese 1A
CHN 012 - Chinese 1B
CHN 021 - Chinese 2A
CHN 022 - Chinese 2B
CHN 031 - Chinese 3A
CHN 032 - Chinese 3B
CHN 041 - Chinese 4A
CHN 042 - Chinese 4B
POR 011 - Portuguese 1A
POR 012 - Portuguese 1B
SPN 011 - Spanish 1A
SPN 012 - Spanish 1B
SPN 012A - Advanced Spanish 1B
SPN 021 - Spanish 2A
SPN 022 - Spanish 2B
SPN 031 - Spanish 3A
SPN 032 - Spanish 3B
SPN 041 - Spanish 4A
SPN 042 - Spanish 4B
FRN 011 - French 1A
FRN 012 - French 1B
FRN 021 - French 2A
FRN 022 - French 2B

International students whose first language is not English may meet NMMI's modern language requirement through any combination of modern language courses not in their native language and those listed below.

RDG 053 - Reading/Study Skills
RDG 054 - Reading/Study Skills
Heritage Language Courses in the Native Language

English 1, 2, 3, and 4 (Credits 4.00)

Successfully completing a semester course generates .50 credit. Four credits are required to include English 4A and 4B which must be successfully completed at NMMI. Mass communication or similar English courses do not meet the English requirements.

ENG 011 - English 1A
ENG 012 - English 1B
ENG 021 - English 2A
ENG 022 - English 2B
ENG 031 - English 3A
ENG 032 - English 3B
ENG 041 - English 4A
ENG 042 - English 4B

Mathematics (Credits 4.00)

Successfully completing a semester course generates .50 credit. Four credits are required; three of which must be MTH 021-022 Algebra 1; MTH 033-034 Algebra 2; and either MTH 037-038 Geometry or MTH 043-044 Analytic Geometry with Pre-Calculus. The fourth credit may be MTH 015-016 Pre-Algebra, MTH 017 Algebra 1/2 (only if taken prior to Algebra 1), MTH 047-048 Advanced Mathematics, MTH 061-062 Calculus, or any two semesters of the following: MTH 042 Trigonometry or any college level math course at or above MATH 1130 Survey of Mathematics. A high school cadet must pass two semesters (1 credit) of either Algebra 2, Analytic Geometry with Pre-Calculus, Advanced Mathematics, or Calculus, while enrolled at NMMI.

MTH 015 - Pre-Algebra A
MTH 016 - Pre-Algebra B
MTH 021 - Algebra 1A
MTH 022 - Algebra 1B
MTH 033 - Algebra 2A
MTH 034 - Algebra 2B
MTH 037 - Geometry A
MTH 038 - Geometry B
MTH 043 - Analytic Geometry with Pre-Calculus A
MTH 044 - Analytic Geometry with Pre-Calculus B
MTH 047 - Advanced Mathematics A
MTH 048 - Advanced Mathematics B
MTH 053 - Math Finance and Literacy
MTH 061 - Calculus A
MTH 062 - Calculus B

Science (Credits 3.00)

Successfully completing a semester course generates .50 credit. Three full credits of a laboratory science are required. Two of these credits must be two-semester course sequences in biology, chemistry, physics, earth science or an approved two-semester lab science sequence course. The third credit may be one of the two-semester sequences or any of the one-semester courses. A high

school student may, with permission, take a college level lab science course for the third year of the lab science.

AST 011 - Astronomy
BIO 021 - Biology
BIO 022 - Biology
BIO 023 - Genetics, Genomics and Genetics
BIO 024 - Biosystematics and Ecology
CHM 031 - Chemistry A
CHM 032 - Chemistry B
ESC 031 - Earth Science
ESC 032 - Earth Science
PHY 031 - Physics
PHY 032 - Physics
SCI 031 - Science of Design
SCI 032 - Science of Design
IPS 021 - Physical Science
IPS 022 - Physical Science B

Social Science (Credits 3.00)

Successfully completing a semester course generates .50 credit. Three credits are required. These include one credit of world history/geography; one credit of U.S. history; .50 credit of economics; and .50 credit of government. The recommended order of coursework is World, US, then economics and government with economics and government in the senior year. World History is a pre-requisite to US History.

ECN 051 - Economics
GVT 031 - American Government
HIS 011 - World History to 1500
HIS 012 - World History since 1500
HIS 021 - U.S. History to 1877
HIS 022 - U.S. History from 1877

Leadership Education (Credit .50 per semester)

Each LET course generates .50 credit. One credit is required to meet the residency requirement; however, enrollment in LET courses taught in the JROTC program is required in each semester of attendance at NMMI.

LET 011 - Leadership Education 1A
LET 012 - Leadership Education 1B
LET 021 - Leadership Education 2A
LET 022 - Leadership Education 2B
LET 031 - Leadership Education 3A
LET 032 - Leadership Education 3B
LET 041 - Leadership Education 4A
LET 042 - Leadership Education 4B

Physical Education (Credit .25 per semester)

Completing one semester PHE (Physical Health Education) generates .25 credit. The minimum requirement for graduation is .50 credit (for an incoming senior) however; a cadet must enroll in a physical education each semester. One semester of Health Education (PHE 020) is required for graduation. A cadet enrolled in LET 1A or B, Regimental Band, and Jazz Band in the same semester will be

exempt from PHE that semester. Cadets are also exempt from PHE the semester they take the ACT Preparation course (ACT 011 or TFL 011). A cadet must either earn .50 credit or be exempt from PHE each semester they attend NMMI.

PHE 015 - Lifetime Sports
PHE 020 - Health and Fitness

Computer Literacy (Credit .50)

One-half credit is required. Keyboarding (CIS 015) does not meet this requirement.

CIS 017 – Computer Concepts

Fine/Practical Arts (Credit .50)

One-half credit of a fine or a practical art is required.

ART 011 - Art 1A
ART 012 - Art 1B
BUS 035 - General Business
BUS 042 - Business Law
BUS 051 - Financial Literacy
CIS 015 - Keyboarding
MUS 011B - Band 6th Class
MUS 011C - Chapel Choir. Catholic 6th Class
MUS 011J - Jazz Band 6th Class
MUS 011L - Applied Music Lessons 6th Class
MUS 011P - Chapel Choir. Protestant 6th Class
MUS 011S - Concert Choir 6th Class
MUS 011V - Vocal Ensemble 6th Class
MUS 031 - Introduction to Music
MUS 042B - Band 3rd Class
MUS 042C - Chapel Choir. Catholic 3rd Class
MUS 042J - Jazz Band 3rd Class
MUS 042L - Applied Music Lessons 3rd Class
MUS 042P - Chapel Choir. Protestant 3rd Class
MUS 042S - Concert Choir 3rd Class
MUS 042V - Vocal Ensemble 3rd Class

ACT/SAT Preparation (Credit .25)

This course is required for graduation and must be taken prior to completion of junior year. Requirement applies to students entering as freshmen, sophomores, and juniors.

ACT 011 – ACT/SAT

Electives (as needed)

In addition to the requirements listed above, elective courses may be taken to complete graduation requirements.

High School Course Numbering

All NMMI high school courses are numbered from 001 to 099, e.g. ENG 011, ENG 012, MTH 021 etc.

High School Academic Advising and College Placement

New Mexico Military Institute has a centralized dedicated guidance, counseling and advising system for high school cadets. The Franklin Student Assistance Center (SAC) is our High School Counseling Center located in Luna Hall. Cadets are assigned an academic counselor/advisor upon enrollment at New Mexico Military Institute. Each high school counselor/advisor is responsible for one high school grade level, moving progressively with that class from sixth class to graduation. Based on the American School Counseling Model (ASCA) a system of developmental advising is implemented for high school cadets whereby the counselor/advisor assists the cadet through a series of advising classes and identifies educational and personal goals. Preparation of the cadet's graduation plans is provided for guidance to the cadet in the achievement of individual academic goals.

Beginning in the Sixth Class year, advisors introduce cadets to time management and study skills, goal-setting and interest inventories, and standardized test taking. The Fifth Class educational expectations are guided by goal setting, the college search, test taking skills, interpersonal relationships, using Naviance and other college and career software, identifying vocational interests/careers/college majors, learning styles, Academy or ROTC search and scholarship information.

Pre-SAT 8/9 and Pre-SAT 10 testing forms the foundation for setting long and short term goals. The Fourth Class begins the college planning process, identification of potential majors and search for appropriate colleges. Additionally, juniors take the PSAT in the fall

and the ASVAB in the spring. The ACT, TOEFL and SAT are highly encouraged during this year. College plans and applications are finalized in the Third Class year culminating in final college choices, applications, scholarship searches and final testing.

High school counselors work closely with teachers and the cadets Troop Leadership Advisors (TLA) as they mentor, counsel, advise and advocate for the cadets. Building and establishing a rapport and a caring attitude and providing support for them as they learn to deal with the obligations in academics, in the Corps of Cadets, and the pressures of being away from home. High school counselors act as a resource person providing information on a myriad of topics such as course requirements, learning resources, job markets and selection of colleges after NMMI. They are a liaison between the parents and the teaching faculty, Commandant's Office and Counseling Center to help assure that the cadet is given every avenue available to succeed. As specialists in personal counseling, academic guidance and counseling the SAC counselors are available to all cadets. They provide cadets with career and educational information as well as administer and interpret achievement tests and interest inventories.

New Mexico Military Institute serves as a regional center for Educational Testing Service's testing programs (Pre-SAT 8/9, Pre-SAT 10, PSAT, SAT, GRE, and CLEP) and the American College Testing Programs (ACT). The Student Assistance Center maintains these regularly updated materials for cadet use: general and specialized college guides and directories, a computerized "Naviance" program on colleges, careers and financial aid; college catalogs and view books, books and pamphlets; videos; general and specialized financial aid guides and directories; college admissions and recruiting materials; admission application materials for schools regularly attended by New Mexico Military Institute graduates; and specialized guidance materials for career preparation.

AA/AS Junior College Degree Program

Junior College Curriculum

The core curriculum requirements generate essentially a liberal arts associate degree, but by careful selection of elective courses, a cadet can build a course sequence, which parallels those in other institutions that lead to the bachelor's degree. Cadets' academic advisors will counsel their advisees on other institutions' requirements for undergraduate degrees and suggest NMMI courses which parallel those sequences. Except at four-year institutions that do not sponsor ROTC programs, virtually all NMMI credit producing courses may count towards the 120-140 semester graduation total which most colleges require for the bachelor's degree.

While fulfilling the requirements of the associate's degree, a cadet will complete courses within the state of New Mexico (NM) general education curriculum. By graduation, the cadet should fulfill the NM general education requirement, as well. Fulfilling state requirements insures better transferability to other New Mexico institutions. Visit the [NMMI General Education Curriculum page](#) to view a list of courses that will help fulfill the state of New Mexico general education requirements.

Normal Class Loads

The normal academic load for college cadets is 15 semester credit hours. The minimum load is 12 semester credit hours.

Overloads

Cadets with a 3.0 GPA or above from the previous grading period may take more than 19 credit hours. The advisor may authorize a course load of up to 19 hours, and the Advisor's Associate Dean may authorize a course load of 20-21 hours. Only the Academic Dean may authorize a course load of 22 or more hours. Overloads are not recommended for a cadet with a GPA of less than 3.0 from the previous semester grading period. Upon the cadet's request and with the recommendation of the academic advisor, an overload may be authorized if the cadet's schedule (academic, athletic, extra-curricular) suggests that there is reasonable probability that the cadet can successfully handle the overload.

College Distance Learning Courses

Correspondence/on-line/distance courses must meet the following criteria:

- Cadet must take the course at NMMI if offered
- If the cadet cannot schedule the required class in the last semester of the graduation year, the cadet can request a correspondence or online course
- A cadet may take a correspondence/online course if the course is not offered in the curriculum, and must receive the Dean's permission prior to enrolling in the course (Academic Waiver Form in Registrar's Office)
- Online courses must have a mandatory valid log-in process through Blackboard, Canvas or a similar program.

Transfer Credit

Academic credit to meet graduation requirements may be acquired elsewhere and entered on the NMMI transcript. Cadets who contemplate this action should check with the concerned academic department chair to assure that the course taken elsewhere does indeed meet Institute academic criteria. For college cadets a maximum of two college courses from an accredited school may be transferred back to NMMI to meet graduation requirements **after** leaving the Institute in good standing. Equivalent Institute courses must be identified and a grade of "C" or better is required. Transferred courses do not affect the NMMI grade point average.

New Mexico Military Institute accepts credits transferred from other accredited colleges and universities as long as a satisfactory grade is earned for the course or courses that are similar to the NMMI college curriculum. New Mexico Military Institute reserves the right to determine whether courses earned elsewhere transfer to NMMI. Transfer grades are not used to compute cumulative grade point averages.

With the exception of remedial courses, NMMI credits generally are transferable to any university in the nation. New Mexico Higher Education Department routinely prepares a chart showing comparable courses, which meet basic requirements and transfer between colleges in New Mexico. This matrix is on the NM HED web site.

Transfer credit appeals. Any cadet who wishes to appeal the transfer must file a written appeal to the Registrar providing a course syllabus and description. Within 30 days, the file will be reviewed by the Registrar and Division Head and the cadet will receive the result in writing. If the cadet wishes to continue the appeal on denied courses, they must appeal to the Academic Dean in writing. This appeal must be within 30 days. If denied and the course is a NM General Education course, the cadet has the right to appeal to the Higher Education Department in Santa Fe.

English Test Scores and Placement

Standardized test scores are used to determine initial placement in ENGL 1110. College students who have not met the minimum scores to place into ENGL 1110 or are not transferring in college composition credit must take the English Placement Exam (EPE) upon arrival at NMMI. College students who are not transferring in college composition credit must take either ENGL 1033 or ENGL 1110 their first semester at NMMI, and process in the proper sequence until they complete 1110. ENGL 1110 and a higher level English course are required to graduate from NMMI.

ACT English	SAT Reading and Writing Test	NMMI English Placement (EPE)	Eligible Course
		< 40	ENGL 1033 plus ENGL 1031
		Between 40 and 69	ENGL 1033**
>= 18	>= 450	>= 70	ENGL 1110
< 18	< 450	EPE Required*	

* EPE score will then determine initial English course placement
 ** In some cases, after initial instructor assessment, student may be moved to next course level

Math Test Scores and Placement

Standardized test scores are used to determine initial placement in college math courses. College cadets can initially place into math courses through scores earned in ACT Math, SAT Math, Accuplacer Math, NMMI Math Placement Exam (MPE), or by previous transferable college math credit earned at another accredited institution. Those who are not satisfied with their placement via ACT, SAT, or Accuplacer tests may choose to take the NMMI MPE to possibly improve their course placement. If no standardized test scores such as ACT, SAT, Accuplacer or transferrable math credit exist, the cadet must take the NMMI MPE.

After initial placement, cadet then advances through NMMI college math courses in various sequences.

Please see the [NMMI College Math Placement chart](#).

NMMI General Education Curriculum

The state of New Mexico general education model allows college students to focus on essential skills needed in today’s society, as they see advanced degrees and/or careers. The New Mexico general education model consists of six areas. Within the general education model are 31 total credit hours, nine of which are elective (flex) hours determined by the institution. The current approved NMMI

general education courses are listed below within their general education areas.

[Communications \(6 Credit Hours\)](#)

[Mathematics \(3 Credit Hours\)](#)

[Science \(4 Credit Hours\)](#)

[Social & Behavioral Sciences \(3 Credit Hours\)](#)

[Humanities \(3 Credit Hours\)](#)

[Creative & Fine Arts \(3 Credit Hours\)](#)

Also, within the AA and AS graduation requirement section below, courses that have been approved, at the state level, as general education courses will be labeled “GE#”.

Catalog Code (GE#)	Content Area
GE1	Communication
GE2	Mathematics
GE3	Science
GE4	Social & Behavioral Science
GE5	Humanities
GE6	Creative & Fine Arts

For more information on the New Mexico general education model, visit the NM HED General Education Curriculum webpage.

Junior College Graduation Requirements

NMMI's curriculum is university parallel and most cadets continue for their baccalaureate degrees by completing requirements for the Associate of Arts (AA) or Associate of Science (AS) degree.

In both cases, the following requirements must be met in order to graduate with an AA or AS:

- Cadet must earn at least 60 credit hours.
- Cadet must complete the appropriate courses within the AA or AS Core Curriculum Graduation Requirements. Specific core subject areas are listed below with allowable courses for each subject area.
- College cadet must earn a minimum of 24 credit hours at NMMI and spend two semesters in residence.
- 2.0 minimum NMMI GPA
- No more than 4.0 PHEA (physical education and/or MSL PT) and 8.0 MUUSC (music) credits will count towards graduation. Any credits over these limits will not count towards graduation requirement total and GPA calculation.

- An assessment test must be taken by all graduates in their last semester.

A cadet may choose to pursue a specific concentration within each degree program. When choosing a concentration, the cadet will be assigned to an appropriate academic advisor who specializes in advising towards the chosen concentration. Please note, a cadet must take these courses, in addition to completing the core subject requirements in the General Education Module within the degree program. In some cases, a course taken to fulfill a concentration course requirement can be applied to the core subject requirement (e.g. Cadet pursuing the Pre-Engineering concentration will take Calculus I and II which will count towards the AS Math requirement and towards the Pre-Engineering concentration as well).

Associate in Arts

The Associate in Arts (AA) degree is designed to provide a solid foundation in the liberal arts for cadets interested in pursuing a four-year or advanced degree in Humanities, Business, Social Science, or related fields. The following are the AA core course requirements:

Communications (9.0 credits)

ENGL 1110 (required with a grade of “C” or better), a second English course and a third communications course.

ENGL 1110 - Composition I (GE1)

Plus 3.0 additional hours from the following:

BUSW 2113 - Business Writing (GE1)

ENGL 1120 - Composition II (GE1)

ENGL 2210 - Professional & Technical Communication (GE1)

Plus 3.0 additional hours in a communications course:

COMM 1130 – Introduction to Communication (GE1)

COMM 1130 - Public Speaking (GE1)

COMM 2120 – Interpersonal Communication (GE1)

History (6.0 credits)

Two history courses are required. Some follow-on schools have specific history requirements that should be checked prior to enrolling in a history course. Cadet may use the history courses here for graduation requirement and the history concentration at the same time. Not all courses are offered each semester.

HIST 1110 - United States History I (GE5)

HIST 1120 - United States History II (GE5)

HIST 1130 - World History I (GE5)

HIST 1140 - World History II (GE5)

HIST 1150 - Western Civilization I (GE5)

HIST 1160 - Western Civilization II (GE5)

HIST 2145 - American Military History (GE5)

Humanities or Modern Language (6.0 credits)

In the AA degree, a student must take 6.0 credits in humanities.

This requirement may be met by a language course (SPAN, CHIN, FREN, etc.), a literature course (American or British), a specific humanities or philosophy course, or a third/fourth history course (HIST 1110 through HIST 1160 only).

Laboratory Science (8.0 credits)

Any two laboratory science courses. Both the class and lab must receive a passing grade. Note: Computer Science courses (MCIS #####) do not count towards laboratory science graduation requirement.

ASTR 1115 - Introduction to Astronomy (LEC) (GE3)

BIOL 1110 - General Biology

BIOL 2110 – Principles of Biology: Cellular and Molecular Biology

BIOL 2610 - Principles of Biology: Biodiversity, Ecology and Evolution

BIOL 2210 – Human Anatomy & Physiology I

BIOL 2225 – Human Anatomy & Physiology II

BIOL 2254 - Insects and Man

BIOL 2264 – Ecology

BIOL 2310 - Microbiology

CHEM 1120 – introduction to Chemistry (non majors) (GE3)

CHEM 1215 - General Chemistry I for STEM Majors (GE3)

CHEM 1225 - General Chemistry II for STEM Majors (GE3)

CHEM 2114 - Allied Health Chemistry

GEOL 1110 - Physical Geology (GE3)

GEOL 1120 – Environmental Geology (GE3)

GEOL 2110 – Historical Geology (GE3)

PHSC 1120 – Forensics Science I

PHYS 1112 – Introductory Physics for Health Sciences

PHYS 1121 – Introduction to Applied Physics (GE3)

PHYS 1230 – Algebra-Based Physics I (GE3)

PHYS 1240 – Algebra-Based Physics II

Mathematics (3.0 credits)

Any mathematics course above and including Survey of Mathematics (MATH 1130). College Algebra (MATH 1220) is the standard college course for mathematics.

MATH 1130 - Survey of Mathematics (GE2)

MATH 1150 - Math for Business and Social Science (GE2)

MATH 1220 - College Algebra (GE2)

MATH 1230 – Trigonometry (GE2)

MATH 1250 – Trigonometry & Pre-Calculus (GE2)

MATH 1350 - Introduction to Statistics (GE2)

MATH 1510 - Calculus I (GE2)

MATH 1520 - Calculus II

MCIS 2414 - Discrete Mathematics

MATH 2530 - Calculus III

MATH 2624 - Differential Equations

Social & Behavioral Sciences (6.0 credits)

Courses designated as non-history social science courses, Courses listed are the most common courses offered, but other social science courses are available.

CJUS 1110 - Introduction to Criminal Justice (GE4)
ECON 2110 - Macroeconomics Principles (GE4)
ECON 2120 - Microeconomics Principles (GE4)
POLS 1110 - Introduction to Political Science (GE4)
POLS 1120 - American National Government (GE4)
POLS 2120 - International Relations (GE4)
POLS 2110 - Comparative Politics (GE4)
POLS 2160 - State and Local Government (GE4)
PSYC 1110 - Introduction to Psychology (GE4)
SOC 1110 - Introduction to Sociology (GE4)

Creative & Fine Arts (3.0 credits)

Cadet must complete a minimum of 3.0 hours in Creative & Fine Arts. Please note, some courses in this area are less than 3.0 hours.

ARTS 1103 - Color and Composition
ARTS 1310 - Introduction to Ceramics (GE6)
ARTS 1403 - Computer Graphic Design
ARTS 1610 - Drawing I (GE6)
ARTS 1630 - Painting I (GE6)
ARTH 2110 - History of Art I
ARTS 2123 - Art History II
DRAM 1113 - Introduction to Drama
ENGL 1323 - Photojournalism & Narrative with Book Publishing I
ENGL 2310 - Introduction to Creative Writing
FDMA 1260 - Introduction to Digital Media (GE6)
MUSC 1140 - Music Appreciation: World Music (GE6)
MUSC 1170 - Vocal Ensemble I (GE6)
MUSC 1403 - Fundamentals of Music Theory
MUSC ##### - Any MUSC course(s)

Military Science/Leadership (2.0 to 12.0 credits)

Cadets may take military science at NMMI. A contract cadet will take a maximum of 12.0 class hours of MS and 4.0 credits of physical activity. Cadets may take MS 1 and 2 to prepare for ROTC at a 4-year school.

Cadets may take one semester of LEAD 1103 (Introduction to Leadership) or MSL each semester (totaling up to four MSL courses, not counting MSL 205) to satisfy the Leadership graduation requirement.

Non-Contract Military Science Courses

MSL 101 - Military Science I
MSL 102 - Military Science I
MSL 151 - Military Science II
MSL 152 - Military Science II

Contract Military Science Courses

MSL 201 - Military Science III
MSL 202 - Military Science III
MSL 251 - Military Science IV
MSL 252 - Military Science IV

Leadership Course

LEAD 1103 - Introduction to Leadership

Concentrations within the AA program include:

- **Art**
 - Required Courses
 - ARTH 2110 – History of Art I
 - ARTS 2123 – Art History II
 - Recommended Courses (plus three from the following)
 - ARTS 1610 – Drawing
 - ARTS 1103 – Color and Composition
 - ARTS 1403 – Computer Graphic Design
 - ARTS 1903 – Stained Glass
 - ARTS 1913 – Stained Glass II
 - ARTS 1993 – Portfolio Enhancement
 - **Aviation Technical Management** (for specific 2+2 program with Embry Riddle)
 - Required Courses
 - ECON 2110 – Macroeconomics Principles
 - ECON 2120 – Microeconomics Principles
 - ACCT 2110 – Principles of Accounting I
 - PHYS 1230 – Algebra-Based Physics I
 - PHYS 1240 – Algebra-Based Physics II
 - Recommended Courses
 - ACCT 2120 – Principles of Accounting II
 - BUSA 2460 – Business Ethics
 - MGMT 2110 – Principles of Management
 - **Business Administration**
 - Required Courses*
 - ACCT 2110 – Principles of Accounting I
 - ACCT 2120 – Principles of Accounting II
 - ECON 2110 – Macroeconomics Principles
 - ECON 2120 – Microeconomics Principles
 - Recommended Courses (plus one of the following)
 - BUSA 1110 – Introduction to Business
 - BUSA 2460 – Business Ethics
 - BCIS 1110 – Fundamentals of Information Literacy & Systems
 - MGMT 2110 – Principles of Management
 - MKTG 2110 – Principles of Marketing
- *MATH 1220 and BUSW 2113/ENGL 2210 are required for this concentration.
MATH 1350 (Introduction to Statistics) is highly recommended.

• Communications

- Required Courses
 - COMM 1130 – Public Speaking
- Recommended Courses (plus four of the following)
 - COMM 1140 – Introduction to Media Writing
 - COMM 1150 – Introduction to Mass Communication
 - COMM 2120 – Interpersonal Communication

- FDMA 1110 – Film History
- FDMA 1260 – Introduction to Digital Media
- FDMA 2110 – Introduction to Film Studies
- COMM 1997 – Independent Study - Communications

• **Criminal Justice**

- Required Courses
 - CJUS 1110 – Introduction to Criminal Justice
 - CJUS 1120 – Criminal Law
 - CJUS 1170 – Criminology
 - CRIJ 2613 – Constitutional Law
- Recommended Courses (plus one of the following)
 - CJUS 2150 – Corrections System
 - CJUS 2220 – The American Law Enforcement System

• **English**

- Required Courses
 - ENGL 1110 – Composition I
 - ENGL 1120 – Composition II and
 - ENGL 2210 – Professional & Technical Communication or
 - BUSW 2113 – Business Writing
- Recommended Courses (plus two of the following)
 - ENGL 2610 – American Literature I
 - ENGL 2620 – American Literature II
 - ENGL 2630 – British Literature I
 - ENGL 2640 – British Literature II

• **History**

- Required Courses
 - HIST 1110 – United States History I
 - HIST 1120 – United States History II
- Recommended Courses (and at least one or both of the following sequences)
 - HIST 1150 – Western Civilization I and
 - HIST 1160 – Western Civilization II
 - or
 - HIST 1130 – World History I and
 - HIST 1140 – World History II
- Additional Courses (and at least one of the following)
 - HIST 2145 – American Military History

• **Philosophy**

- Required Courses
 - PHIL 1115 – Introduction to Philosophy
 - PHIL 1120 – Logic, Reasoning, and Critical Thinking
- Recommended Courses (plus three of the following)
 - PHIL 2110 – Ethics
 - PHIL 2125 – Comparative World Religions
 - PHIL 2220 – Greek Philosophy
 - PHIL 2210 – Early Modern Philosophy

• **Political Science**

- Required Courses
 - POLS 1110 – Introduction to Political Science
 - POLS 1120 – American National Government
 - POLS 2120 – International Relations

- POLS 2110 – Comparative Politics
- Additional Required Course (and at least one of the following)
 - ECON 2110 – Macroeconomics Principles
 - ECON 2120 – Microeconomics Principles
 - SOCI 1110 – Introduction to Sociology
 - HIST 1110 – United States History I
 - HIST 1120 – United States History II
 - HIST 1140 – World History II
- Recommended Courses
 - HIST 1120 – United States History II
 - PSYC 1110 – Introduction to Psychology

• **Social Science**

- Required Courses (at least four from the following)
 - POLS 1120 – American National Government
 - PSYC 1110 – Introduction to Psychology
 - SOCI 1110 – Introduction to Sociology
- Recommended Courses (and at least one of the following)
 - PSYC 2213 – Developmental Psychology
- Additional Courses (highly recommended courses)
 - CJUS 1110 – Introduction to Criminal Justice
 - MATH 1150 – Math for Business and Social Science

Associate in Science

The Associate in Science (AS) degree is designed to provide a solid foundation in mathematics and the sciences for cadets interested in pursuing a four-year or advanced degree in Mathematics, Sciences, Engineering, Pre-medical/Dental/Veterinarian, or related fields. The following are the AS core course requirements:

Communications (9.0 credits)

ENGL 1110 (required with a grade of “C” or better), a second English course and a third communications course.

ENGL 1110 - Composition I (GE1)

Plus 3.0 additional hours from the following:

BUSW 2113 - Business Writing (GE1)

ENGL 1120 - Composition II (GE1)

ENGL 2210 - Professional & Technical Communication (GE1)

Plus 3.0 additional hours in a communications course:

COMM 1130 – Introduction to Communication (GE1)

COMM 1130 - Public Speaking (GE1)

COMM 2120 – Interpersonal Communication (GE1)

History (3.0 credits)

One history course is required. Any course with the HIST designation can be taken except American Military History. Some follow-on schools have specific history requirements that should be checked

prior to enrolling in a history course. Not all courses are offered each semester.

HIST 1110 - United States History I (GE5)
HIST 1120 - United States History II (GE5)
HIST 1130 - World History I (GE5)
HIST 1140 - World History II (GE5)
HIST 1150 - Western Civilization I (GE5)
HIST 1160 - Western Civilization II (GE5)

Humanities or Modern Language (6.0 credits)

A student must take 6.0 credits in humanities.

This requirement may be met by a language course (SPAN, CHIN, FREN, etc.), a literature course (American or British), a specific humanities course, or a second/third history course.

Laboratory Science (12.0 credits)

Three lab science courses are required, two of which must be sequential. Both the class and lab must receive a passing grade.

Note: Computer Science courses (MCIS #####) do not count towards laboratory science graduation requirement.

BIOL 2110 - Principles of Biology: Cell & Molecular Biology
BIOL 2610 - Principles of Biology: Biodiversity, Ecology and Evolution
or
BIOL 2210 - Human Anatomy & Physiology I
BIOL 2225 - Human Anatomy & Physiology II

or
CHEM 1215 - General Chemistry I for STEM Majors (GE3)
CHEM 1225 - General Chemistry II for STEM Majors (GE3)

or
GEOL 1110 - Physical Geology (GE3)
GEOL 1120 – Environmental Geology (GE3)
GEOL 2110 – Historical Geology (GE3)
Note: GEOL 1120 or GEOL 2110 may be taken to complete the sequence

or
PHYS 1230 - Algebra-Based Physics I (GE3)
PHYS 1240 - Algebra-Based Physics II

or
PHYS 1310 – Calculus-based Physics I (GE3)
PHYS 1320 – Calculus-based Physics II

And one from the following:

Cadet may take one from the list below or another laboratory science from the list above. However, courses below level of sequential courses are not allowed.

BIOL 1110 – General Biology
BIOL 2244 – Introduction to Plant Biology
BIOL 2254 - Insects and Man
BIOL 2264 – Ecology

BIOL 2310 - Microbiology
CHEM 2114 - Allied Health Chemistry
PHYS 1112 – Introductory Physics for Health Sciences
PHYS 1120 – Forensic Science I

Mathematics (6.0 credits)

Two mathematics courses are required with MATH 1150 being the minimum allowable course.

MATH 1150 - Math for Business and Social Science (GE2)
MATH 1220 - College Algebra (GE2)
MATH 1230 – Trigonometry (GE2)
MATH 1250 – Trigonometry & Pre-Calculus (GE2)
MATH 1350 - Introduction to Statistics (GE2)
MATH 1510 - Calculus I (GE2)
MATH 1520 - Calculus II
MATH 2530 - Calculus III
MATH 2624 - Differential Equations
MCIS 2414 - Discrete Mathematics

Social & Behavioral Sciences (3.0 credits)

One non-history social science course. Courses listed are the most common courses offered, but other social science courses are available.

CJUS 1110 - Introduction to Criminal Justice (GE4)
ECON 2110 - Macroeconomics Principles (GE4)
ECON 2120 - Microeconomics Principles (GE4)
POLS 1110 - Introduction to Political Science (GE4)
POLS 1120 - American National Government (GE4)
POLS 2110 - Comparative Politics (GE4)
POLS 2120 - International Relations (GE4)
POLS 2160 - State and Local Government (GE4)
PSYC 1110 - Introduction to Psychology (GE4)
SOCL 1110 - Introduction to Sociology (GE4)

Creative & Fine Arts (3.0 credits)

Cadet must complete a minimum of 3.0 hours in Creative & Fine Arts. Please note, some courses in this area are less than 3.0 hours.

ARTS 1103 - Color and Composition
ARTS 1310 – Introduction to Ceramics (GE6)
ARTS 1403 - Computer Graphic Design
ARTS 1610 – Drawing I (GE6)
ARTS 1630 – Painting I (GE6)
ARTH 2110 – History of Art I
ARTS 2123 - Art History II
DRAM 1113 - Introduction to Drama
ENGL 1323 - Photojournalism & Narrative with Book Publishing I
ENGL 2310 – Introduction to Creative Writing
FDMA 1260 – Introduction to Digital Media (GE6)
MUSC 1170 – Vocal Ensemble I (GE6)
MUSC 1140 – Music Appreciation: World Music (GE6)
MUSC 1403 – Fundamentals of Music Theory
MUSC ##### - Any MUSC course(s)

Military Science/Leadership (2.0 to 12.0 credits)

Cadets may take military science at NMMI. A contract cadet will take a maximum of 12.0 class hours of MS and 4.0 credits of physical activity. Cadets may take MS 1 and 2 to prepare for ROTC at a 4-year school.

Cadets may take one semester of LEAD 1103 (Introduction to Leadership) or MSL each semester (totaling four MSL courses, not counting MSL 205) to satisfy the Leadership graduation requirement.

Non-Contract Military Science Courses

- MSL 101 - Military Science I
- MSL 102 - Military Science I
- MSL 151 - Military Science II
- MSL 152 - Military Science II

Contract Military Science Courses

- MSL 201 - Military Science III
- MSL 202 - Military Science III
- MSL 251 - Military Science IV
- MSL 252 - Military Science IV

Leadership Course

- LEAD 1103 - Introduction to Leadership

Concentrations within the AS program include:

• Athletic Training

- Required Courses
 - HLED 1130 – Health and Wellness
 - HPER 1322 – Medical Terminology in Athletic Training
 - HPER 1513 – Introduction to Athletic Training
 - HPER 2913 – Athletic Clinical Practicum
- Recommended Courses (additional athletic courses to meet the requirement of 15 hours and 5 courses. Note: Cadet will take additional courses to meet the NMSU gateway (7 HPER courses)
 - HPER 1213 – Introduction and Foundations of Physical Education
 - HPER 1613 – Exercise Science

• Biological Sciences

- Required Courses
 - BIOL 2110 – Principles of Biology: Cellular and Molecular Biology
 - BIOL 2610 – Principles of Biology: Biodiversity, Ecology and Evolution
- Recommended Courses (plus three from the following)
 - BIOL 2254 – Insects and Man
 - BIOL 2210 – Human Anatomy & Physiology I
 - BIOL 2225 – Human Anatomy & Physiology II
 - BIOL 2264 – Ecology
 - BIOL 2310 - Microbiology
 - CHEM 1215 – General Chemistry I for STEM Majors
 - CHEM 1225 – General Chemistry II for STEM Majors

• Computer Science

- Required Courses
 - MCIS 1714 – Computer Science Fundamentals
 - MCIS 1824 – Computer Science II
 - MCIS 2814 – Computer Science III
 - MCIS 2414 – Discrete Mathematics
- Recommended Courses (plus one from the following)
 - ENGR 1103 – Introduction to Engineering
 - ENGR 1453 – Engineering Graphics and Design I
 - ENGR 1463 – Engineering Graphics and Design II
 - BCIS 1110 – Fundamentals of Information Literacy & Systems

• Mathematics

- Required Courses
 - MATH 1510 – Calculus I
 - MATH 1520 – Calculus II
 - MATH 2530 – Calculus III
 - MATH 2624 – Differential Equations
- Recommended Courses (plus one from the following)
 - MATH 1220 – College Algebra
 - MATH 1230 – Trigonometry
 - MATH 1250 – Trigonometry & Pre-Calculus
 - MATH 1350 – Introduction to Statistics

• Physical Sciences

- Required Courses
 - MATH 1510 – Calculus I
 - MATH 1520 – Calculus II
 Another laboratory science course is required, in addition to the sequence below
- Required Lab Sequence
 - CHEM 1215 – General Chemistry I for STEM Majors and
 - CHEM 1225 – General Chemistry II for STEM Majors
 - or
 - GEOL 1110 – Physical Geology and
 - GEOL 2110 – Historical Geology
 - or
 - PHYS 1230 – Algebra-Based Physics I and
 - PHYS 1240 – Algebra-Based Physics II
 - or
 - PHYS 1310 – Calculus-based Physics I and
 - PHYS 1320 – Calculus-based Physics II

• Pre-Engineering

- Required Courses
 - MATH 1510 – Calculus I
 - MATH 1520 – Calculus II
 - PHYS 1310 – Calculus-based Physics I
 - PHYS 1320 – Calculus-based Physics II
- Recommended Courses (plus one of the following)
 - ENGR 1103 – Introduction to Engineering
 - or
 - ENGR 1453 – Engineering Graphics and Design I
- Recommended Courses (if scheduling allows)
 - CHEM 1215 – General Chemistry I for STEM Majors

- CHEM 1225 – General Chemistry II for STEM Majors
- ENGR 1463 – Engineering Graphics and Design II
- PHYS 2223 – Engineering Statics
- MATH 1350 – Introduction to Statistics
- MATH 2530 – Calculus III
- **Pre-Kinesiology**
 - Required Courses
 - SPMD 1310 – introduction to Kinesiology
 - SPMD 1350 – Social Foundations
 - SPMD 2250 – Fitness for Health and Sport
 - BIOL 2210 – Human Anatomy & Physiology I
 - BIOL 2225 – Human Anatomy & Physiology II
 - Electives pertinent to the concentration (not required)
 - BIOL 2233 – Science of Nutrition
 - HPER 1513 – Introduction to Athletic Training
 - Other pertinent courses include Chemistry/Physics courses
- **Pre-Medicine/Dental/Veterinary**
 - Required Courses
 - BIOL 2110 – Principles of Biology: Cellular and Molecular Biology
 - BIOL 2610 – Principles of Biology: Biodiversity, Ecology and Evolution
 - BIOL 2310 – Microbiology
 - Additional Required Course Sequence:
 - BIOL 2210 – Human Anatomy & Physiology I
 - BIOL 2225 – Human Anatomy & Physiology II
 - Or
 - CHEM 1215 – General Chemistry I for STEM Majors
 - CHEM 1225 – General Chemistry II for STEM Majors
 - Recommended Electives
 - PHYS 1230 – Algebra-Based Physics I
 - PHYS 1240 – Algebra-Based Physics II

- **Pre-Nursing**

This concentration is specifically tailored to the next school. Cadets wishing to complete this concentration need to see their academic advisor and identify the specific requirements necessary at the four-year university. Cadet will complete the AS general education requirements and these required and optional courses for the concentration. Based on the four-year requirement, a cadet will take more than the 60 minimum AS requirement to meet this concentration.

A specific 4-semester program is required to complete the Pre-Nursing curriculum designed for the 2+2 Nursing Program at Carson-Newman College or the University of Akron. The courses must be taken from NMMI for this program, and interested students should speak to the pre-nursing advisor prior to their first semester's registration.

- Required Courses
 - BIOL 1110 – General Biology
 - BIOL 2210 – Human Anatomy & Physiology I
 - BIOL 2225 – Human Anatomy & Physiology II

- BIOL 2310 - Microbiology
- CHEM 2114 – Allied Health Chemistry
- PSYC 2213 – Developmental Psychology
- Recommended Courses
 - BIOL 2233 – Science of Nutrition
 - MATH 1350 – Introduction to Statistics

College Course Numbering System

All NMMI junior college courses are numbered from 100 to 2999 and are “lower level” college courses designed to meet basic college educational requirements. To improve transferability within the state of New Mexico, many of NMMI’s courses have been approved as “common courses” at the state level and common course IDs have been adopted. Thus, a common course (i.e. ENGL 1110 - Composition I) taken at NMMI should transfer to another state institution without issue. For more information on the New Mexico Common Course Numbering (CCN) System, visit the [NM HED CCN website](http://www.nmhed.gov/ccn).

2+2 Articulation Agreements

NMMI has a number of articulation agreements with four-year colleges/universities. Articulation agreements work to facilitate the smooth transition of students from NMMI to the receiving institution and reduce the duplication of coursework. Cadets who are interested in participating in one of these programs should review the articulation agreement and speak with their advisor for specifics.

Early Commissioning Program (ECP)

Our Early Commissioning Program (ECP) is a U.S. Army ROTC program that allows graduates of one of the nation’s four Military Junior Colleges (MJC) to become commissioned officers in the reserve components (National Guard or Reserve) in two years, instead of the usual four. NMMI is honored to be one of these prestigious schools. Learn more about this program on the [NMMI Army ROTC page](http://www.nmmi.edu/rotc).

Phi Theta Kappa (PTK)

New Mexico Military Institute maintains the Phi Alpha chapter of Phi Theta Kappa, the official honor society for two-year colleges. Selection to the society rewards academic excellence and provides additional opportunities for leadership training as well as access to scholarship opportunities. Junior college cadets carrying a full academic load (12 credits), possessing recognized qualities of citizenship, and holding a 3.25 cumulative GPA in non-remedial courses with an A or B in department will meet the minimum qualifications for membership. High school cadets who have

completed a minimum of 12 college credits with a 3.25 cumulative GPA in their college courses are also eligible to join. Cadets receive an invitation to join, and then log-in to the PTK website to make

their application. Induction takes place during the spring semester (formal induction).

High School Academic Excellence

Programs in Academic Excellence are programs at either the high school or college level that challenge cadets to excel in their academic studies

High School Scholars Program

The Scholars Program builds on the educational excellence of NMMI by encouraging academically exceptional students to gain a broad knowledge base, understanding the interaction between academic areas. The curriculum consists of all NMMI courses – high school and college – as well as the courses a Scholar will take in order to complete his or her Scholar's Thesis during the senior year. In addition, Scholars take Sophomore English during the summer after their freshman year and are required to participate in summer enrich activities each year prior to graduation. Admission to the Scholars Program is competitive and admissions requirements include: entering as a freshman and having a minimum 3.5 GPA at the end of the freshman year, writing a letter of interest and obtaining teacher recommendations.

High School Dual Graduate Program

The New Mexico Military Institute is a College Prep High School and Junior College that offers a Dual Graduate Program. This program is designed to address the aspiration of academically exceptional high school cadets who are committed to earning their high school diploma and college degree with New Mexico Military Institute. A cadet in our Dual Graduate Program will be on a pathway toward earning an associate degree through New Mexico Military Institute upon the completion of all high school and college course work. The Dual Graduate Program has a curriculum that is broad enough to empower cadets to advance in a college environment and field of interest while continuing to fulfill their high school academic requirements.

With 18 concentrations in our junior college, this allows our Dual Graduate cadets the opportunity to excel in future career areas of their choice. As they move on to their higher educational institutions, our cadets are duly prepared for continuing in their postsecondary success.

Beginning the spring semester of the 9th grade year, each college course a cadet successfully completes in our Dual Graduate Program earns both college and high school credit that aligns with one of the associate degrees awarded by New Mexico Military Institute. Cadets can choose to earn an Associate in Arts or an Associate in Science Degree. All coursework leading to the successful completion of the Dual Graduate Program must be taken at New Mexico Military Institute.

With the rising cost of college, co-enrollment or the New Mexico Military Institute Dual Graduate Program is becoming an increasingly popular choice for high school cadets. The New Mexico Military Institute Dual Graduate Program offers a great option for high school cadets in terms of opportunities and financial incentives.

For eligibility requirements, see the [online academic catalog](#).

NMMI Course Listing

Academic courses are listed alphabetically:

ACA 050 - Academic Assistance

Academic Assistance is designed to help cadets become academically successful by providing them with additional, monitored study time and subject-specific tutoring/assistance. Students will also receive assistance in developing academic success skills including note taking, studying, organization, time management, and test taking. Students may be placed in Academic Assistance upon parental request or as a result of poor academic performance as determined by grade falling below a C. Students may also self-select to be placed in the class.

High School Credits: .00

ACCT 2110 - Principles of Accounting I

An introduction to financial accounting concepts emphasizing the analysis of business transactions in accordance with generally accepted accounting principles (GAAP), the effect of these transactions on the financial statements, financial analysis, and the interrelationships of the financial statements.

Credit Hours: 4.0

Satisfies a Requirement: Business Concentration

Prerequisite: Successful completion of a college level business course (Minimum Grade: C)

ACCT 2120 - Principles of Accounting II

An introduction to the use of accounting information in the management decision making processes of planning, implementing, and controlling business activities. In addition, the course will discuss the accumulation and classification of costs as well as demonstrate the difference between costing systems.

Credit Hours: 4.0

Satisfies a Requirement: Business Concentration

Prerequisite: ACCT 2110 (Minimum Grade: D)

ACT 011 - ACT/SAT

This course helps prepare cadets to take the American College Test (ACT) or the Scholastic Aptitude Test (SAT). It is designed to build confidence and expertise by developing test taking strategies and practice. The verbal part covers synonyms, antonyms, analogies, vocabulary, syntax and grammar. It includes readings from the social sciences and natural sciences. The math portion has a complete series of mathematical problems, including algebra and geometry.

High School Credits: .25

Note: Successful completion of this course is required for graduation, and must be taken prior to the completion of junior year. Course will replace a P.E. requirement during the semester taken.

ACT 500 - ACT/SAT

This course helps prepare cadets to take the American College Test (ACT) or the Scholastic Aptitude Test (SAT). It is designed to build confidence and expertise by developing test taking strategies and practice. The verbal part covers synonyms, antonyms, analogies, vocabulary, syntax and grammar. It includes readings from the social sciences and natural sciences. The math portion has a complete series of mathematical problems, including algebra and geometry.

Credit Hours: 0.0

Note: Grade: P/F for transcript, not included in GPA.

ART 011 - Art 1A

Introduces two dimensional art with an emphasis on basic design theory. Composition, color theory artistic techniques, computer basics and perspective will be covered.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Note: College preparatory course

ART 012 - Art 1B

Continues ART 011. Perspective, lettering, color theory, and 3-D design will be covered. Various subjects, both natural and man-made, will be drawn and painted.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: ART 011 (Minimum Grade: D) or permission of instructor.

Note: College preparatory course

ARTH 2110 - History of Art I

This survey course explores the art and architecture of ancient pre-historic cultures through the end of the fourteenth century. While focused primarily on the art of the Western civilizations, this course will also provide insights into the works of other major cultures in order to provide alternate views of art and history. Emphasis will be placed on the relationship of artworks to political, social, spiritual, intellectual, and cultural movements that affect and are affected by their creation and development.

Credit Hours: 3.0

Satisfies a Requirement: Creative & Fine Arts

ARTS 1103 - Color and Composition

Introduces color theory and its uses. Explores color composition combinations and resulting outcomes.

Credit Hours: 3.0

Satisfies a Requirement: Creative & Fine Arts

ARTS 1310 - Introduction to Ceramics

This course introduces the technical processes and conceptual concerns of working with ceramic material. Various methods of forming functional and expressive works out of clay are explored. Methods used include handbuilding and throwing, basic clay bodies, slip and glaze, and atmospheric firing.

Credit Hours: 3.0 - NM General Education: Area VI - Creative & Fine Arts

Satisfies a Requirement: Creative & Fine Arts

ARTS 1403 - Computer Graphic Design

Introduction to the basic elements of design using a computer. Covers raster, vector, and layout based programs. Requires completion of projects for student portfolio review. Primary software packages used are: Photoshop, Illustrator and Indesign.

Credit Hours: 3.0

Satisfies a Requirement: Creative & Fine Arts

Note: Lab fee required

ARTS 1610 - Drawing I

This course introduces the basic principles, materials, and skills of observational drawing. Emphasis is placed on rendering a 3-D subject on a 2-D surface with visual accuracy. Other topics include historical and contemporary references as well as an investigation of linear perspective, line, value, shape, space & composition.

Credit Hours: 3.0 - NM General Education: Area VI - Creative & Fine Arts

Satisfies a Requirement: Creative & Fine Arts

Note: Lab fee required

ARTS 1630 - Painting I

This course introduces the tradition of painting as a medium for artistic expression. Students will investigate materials, tools, techniques, history and concepts of painting. Emphasis is placed on developing descriptive and perceptual skills, color theory, and composition.

Credit Hours: 3.0 - NM General Education: Area VI - Creative & Fine Arts

Satisfies a Requirement: Creative & Fine Arts

ARTS 1903 - Stained Glass

Stained glass introduction, with students studying basic glass design, composition, and different techniques to produce control of the media. Both modern and historical stained glass will be studied to improve student's understanding of the subject.

Credit Hours: 3.0
Satisfies a Requirement: Creative & Fine Arts
Note: Lab fee required. Student will work with glass.

ARTS 1913 - Stained Glass II

Stained Glass II continues the lessons from Stained Glass, but works on a larger scale and in 3-dimensional work combining foil and leading. Maintaining classical treatment of the medium, a stronger focus into painted, etched, and message based work will be emphasized.

Credit Hours: 3.0
Prerequisite: ARTS 1903 (Minimum Grade: D)
Satisfies a Requirement: Creative & Fine Arts
Note: Lab fee required. Student will work with glass.

ARTS 1993 – Portfolio Enhancement

Develops portfolio of student work to focus on drawing, painting, basic design, and color theory.

Credit Hours: 3.0
Prerequisite: Instructor permission required

ARTS 1997 – Independent Study – Art

Art course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD
Prerequisite: Instructor permission required
Note: Lab fee required

ARTS 2123 - Art History II

This course is a history of Western art and the world beyond European art from the Renaissance to the Modern Era. The history of painting, sculpture, and architecture will be covered. The various philosophies of different time periods will also be studied so that the student can understand why a particular style developed. By the end of the semester, the student will have an understanding and an appreciation of the major monuments and movements in the history of Western art. The students will also understand the chronological development of art from the Renaissance to the modern era. In addition, the student will also have an understanding of the political, economic, spiritual and philosophical factors that influenced the development of a particular style of art.

Credit Hours: 3.0
Satisfies a Requirement: Creative & Fine Arts

AST 011 – Astronomy

This introductory Astronomy course offers the student an opportunity to explore the basics of celestial bodies and phenomena, such as planets, moons, stars, nebulae, galaxies, and comets. This course includes career exploration in Astronomy, in addition to presenting current day topics in this quickly changing field. Additional enhancement topics covered are: Space Travel, The Hubble Telescope, The International Space Station, Wormholes, Dark Matter, and Special Relativity.

High School Credits: .50
Satisfies a Requirement: Lab Science
Note: Lab fee required

ASTR 1115 – Introduction to Astronomy (LEC)

This course surveys observations, theories, and methods of modern astronomy. The course is predominantly for non-science majors, aiming to provide a conceptual understanding of the universe and the basic physics that governs it. Due to the broad coverage of this course, the specific topics and concepts treated may vary. Commonly presented subjects include the general movements of the sky and history of astronomy, followed by an introduction to basic physics concepts like Newton's and Kepler's laws of motion. The course may also provide modern details and facts about celestial bodies in our solar system, as well as differentiation between them – Terrestrial and Jovian planets, exoplanets, the practical meaning of "dwarf planets", asteroids, comets, and Kuiper Belt and Trans-Neptunian Objects. Beyond this we may study stars and galaxies, star clusters, nebulae, black holes, clusters of galaxies and dark matter. Finally, we may study cosmology - the structure and history of the universe.

Credit Hours: 4.0 - NM General Education: Area III - Science
Satisfies a Requirement: Laboratory Science

ASTR 1115L – Introduction to Astronomy Lab

Introduction to Astronomy Lab will include hands-on exercises that work to reinforce concepts covered in the lecture, and may include additional components that introduce students to the night sky.

Credit Hours: 0.0 - NM General Education: Area III - Science
Note: Lab fee required

BCIS 1110 - Fundamentals of Information Literacy and Systems

Examination of information systems and their impact on commerce, education, and personal activities. Utilization of productivity tools for communications, data analysis, information management and decision-making.

Credit Hours: 3.0
Satisfies a Requirement: Business Elective. This course will not satisfy the high school CIS 017 Computer Literacy requirement.
Note: Lab fee required.

BFIN 1113 - Personal Financial Planning for College Students

This course is designed to help adjusting college students understand their new-found personal financial responsibilities that are often discovered during this transitional period in life. Students will learn money management skills that are applicable for the rest of their lives with an emphasis in math focusing in the areas of savings, budgets, debt, philanthropy, consumer awareness, bargains, credit bureaus, insurance, investments, retirement plans and real estate. Students will develop competent money management skills and acquire simple habits at a young age to change their lives in the years to come all while avoiding unnecessary debts.

Credit Hours: 3.0
Note: Does not meet any high school math requirement when taken as a dual enrollment course. Designed primarily for incoming college students. Elective course only.

BIO 021 - Biology

High school Biology 021 is a one semester laboratory science course. The focus of this course is to provide foundational knowledge for basic biochemistry and cell biology that includes genetics, evolution and the history of life on earth.

High School Credits: .50
Satisfies a Requirement: Lab Science
Note: Lab fee required. College preparatory course.

BIO 022 - Biology

Biology 022 is a one semester laboratory science course. The primary focus of Biology 022 is anatomy and physiology. Application of basic biochemistry, cell biology and genetics will be reinforced. Spring Semester

High School Credits: .50
Satisfies a Requirement: Lab Science
Note: Lab fee required. College preparatory course.

BIO 023 - Genetics, Genomics and Genethics

Biology 023 is a one semester laboratory science course. This course explores recent developments in the field of genetics while developing an organizational structure for thinking about ethical issues. Molecular biology, history of genetics, literature research and biotechnology lab techniques will be used to help understand the how genomes can be decoded and manipulated.

High School Credits: .50
Satisfies a Requirement: Lab Science
Note: Lab fee required
Prerequisite: BIO 021 (Minimum Grade: D)

BIO 024 - Biosystematics and Ecology

Biology 024 is a one semester laboratory science course. Biosystematics of the six recognized taxonomic kingdoms and ecology to include behavior and human interactions will be addressed.

High School Credits: .50

Satisfies a Requirement: Lab Science
Note: Lab fee required
Prerequisite: BIO 021 (Minimum Grade: D)

BIOL 1110 - General Biology

This course introduces non-science majors to basic biological concepts including, but not limited to, the properties of life, biochemistry, cell biology, molecular biology, evolution, biodiversity, and ecology.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Note: Recommended for non-science majors.

BIOL 1110L - General Biology Lab

This laboratory course for non-science majors complements the concepts covered in the associated general biology lecture course. Students will learn quantitative skills involved in scientific measurement and data analysis. Students will also perform experiments related to topics such as biochemistry, cell structure and function, molecular biology, evolution, taxonomic classification and phylogeny, biodiversity, and ecology.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment with BIOL 1110 is required.

BIOL 1997 – Independent Study – Biology

Biology course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

BIOL 2110 – Principles of Biology: Cellular and Molecular Biology

This course introduces students to major topics in general biology. This course focuses on the principles of structure and function of living things at the molecular, cellular and organismic levels of organization. Major topics included are introduction to the scientific process, chemistry of cells, organization of cells, cellular respiration, photosynthesis, cell division, DNA replication, transcription, and translation.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Note: Recommended for science majors. Student may not take both BIOL 2110/1224 and BIOL 1110 for credit.

BIOL 2110L – Principles of Biology: Cellular and Molecular Biology Laboratory

This course introduces students to major topics in general biology. This course focuses on the principles of structure and function of living things at the molecular, cellular and organismic levels of organization. Major topics included are introduction to the scientific process, chemistry of cells, organization of cells, cellular respiration, photosynthesis, cell division, DNA replication, transcription, and translation.

Credit Hours: 0.0 - NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment with BIOL 2110 is required.

BIOL 2210 – Human Anatomy and Physiology I

Human Anatomy and Physiology I is an integrated study of human structure and function of cells, tissues, integumentary system, skeletal system, and nervous system with a focus on anatomy. This course is a prerequisite for nursing and recommended for pre-allied health students. Concurrent enrollment in BIOL 2210L (laboratory) is required.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1110, BIOL 2110 or BIOL 1224 (Minimum Grade: D)

BIOL 2210L – Human Anatomy and Physiology I Lab

Laboratory portion of Human Anatomy & Physiology I. Human Anatomy is an introductory course in anatomical exploration that will prepare those interested in the medical field for future upper level anatomy and physiology courses.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in BIOL 2210 is required.

BIOL 2225 – Human Anatomy and Physiology II

This course is a continuation of BIOL 2210. Nervous, endocrine, cardiovascular, lymphatic, respiratory, excretory, digestive systems, and reproductive systems are studied. This course is a prerequisite for nursing and recommended for pre-allied health students.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 2210 (Minimum Grade: D) or instructor permission

BIOL 2225L – Human Anatomy and Physiology II Lab

Laboratory portion of Human Anatomy and Physiology II. This course is a continuation of BIOL 2210. Nervous, endocrine, cardiovascular, lymphatic, respiratory, excretory, digestive systems, and reproductive systems are studied. This course is a prerequisite for nursing and recommended for pre-allied health students.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in BIOL 2225 is required.

BIOL 2233 - Science of Nutrition

A course designed to teach the basics of human nutrition. It introduces the fundamental theories and principles of nutrition at various human life stages. The course is specifically intended for students in the pre-nursing program and related medical areas.

Credit Hours: 3.0

Prerequisite: BIOL 1110 or BIOL 2110 (Minimum Grade: D)

Note: Not a laboratory science course and does not meet lab science requirements

BIOL 2240L – Introduction to Plant Biology Laboratory

Laboratory portion of Introduction to Plant Biology. Introduction to Plant Biology is a four credit course which provides an overview of major groups of plants, plant cells and cell types, plant anatomy and architecture, physiology and function, and ecology and the roles of plants in the environment. Laboratory exercises build on lecture themes and provide hands-on learning experiences, including field trips. Three hours of lecture, two hours of lab per week. Concurrent enrollment in BIOL 2244 is required.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in BIOL 2244 is required.

BIOL 2244 – Introduction to Plant Biology

Introduction to Plant Biology is a four credit course which provides an overview of major groups of plants, plant cells and cell types, plant anatomy and architecture, physiology and function, and ecology and the roles of plants in the environment. Laboratory exercises build on lecture themes and provide hands-on learning experiences, including field trips. Three hours of lecture, two hours of lab per week.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1110 or BIOL 2110 (Minimum Grade: C)

BIOL 2250L - Insects and Man Laboratory

Lab portion of BIOL 2254. This course is designed to introduce the student to the science of Entomology and is comparable to like-names courses as well as to general entomology courses offered at 4-year institutions. It provides in-depth study of general entomology; including evolution, morphology, ecology, behavior, parasitism, and predation. Insect interactions with plants, animals, and man are included as are medical importance and insect pest management. Taxonomic orders and families are emphasized in class and the laboratory including morphological characters. A collection and field trips are mandatory.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in BIOL 2254 is required.

BIOL 2254 - Insects and Man

This course is designed to introduce the student to the science of Entomology and is comparable to like-names courses as well as to general entomology courses offered at 4-year institutions. It provides in-depth study of genera entomology; including evolution, morphology, ecology, behavior, parasitism, and predation. Insect interactions with plants, animals, and man are included as are medical importance and insect pest management. Taxonomic orders and families are emphasized in class and the laboratory including morphological characters. A collection and field trips are mandatory.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1110 or 2110 (Minimum Grade: D)

BIOL 2260L – Ecology Laboratory

Lab portion of Ecology class which is a course is designed to introduce the student to environmental studies and the science of Ecology. It provides an in-depth study of general ecology; covering terrestrial biomes, aquatic habitats, climate relationships and other aspects of the relationship of living organisms, both with each other and with the non-living environment. Special emphasis is placed on population ecology, community ecology, and the ecosystem and man's impact. Scientific review papers and field trips are mandatory.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in BIOL 2264 is required

BIOL 2264 - Ecology

This course is designed to introduce the student to environmental studies and the science of Ecology. It provides an in-depth study of general ecology; covering terrestrial biomes, aquatic habitats, climate relationships and other aspects of the relationship of living organisms, both with each other and with the non-living environment. Special emphasis is placed on population ecology, community ecology, and the ecosystem and man's impact. Scientific review papers and field trips are mandatory.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1110 or 2110 (Minimum Grade: D)

BIOL 2310 - Microbiology

Introduction to the basic principles of microbiology, microbial pathogenesis, host defenses and infectious diseases. The course will emphasize concepts related to the structure and function of microorganisms, including their mechanisms of metabolism and growth. Host parasite interactions will also be emphasized, including mechanisms of microbial pathogenesis and mechanisms of host defenses against infectious diseases.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1110 or BIOL 2110 (Minimum Grade: D)

BIOL 2310L - Microbiology Laboratory

This course will emphasize both the theory and hands on application of techniques used in a microbiology laboratory for the growth and identification of bacterial species. Students will learn microscopy skills and staining techniques for the observation of bacteria. Students will also learn aseptic techniques used for isolation of bacteria, inoculation of cultures, and interpretation of selective and differential growth media for the identification of bacterial species.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in BIOL 2310 is required.

BIOL 2610 - Principles of Biology: Biodiversity, Ecology and Evolution

This course is an introduction to the dynamic processes of living things. Major topics include the mechanisms of evolution, biological diversity, population genetics, and ecology.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Note: Recommended for science majors. Student may not get credit for both BIOL 2110/2610 and BIOL 1110.

BIOL 2610L - Principles of Biology: Biodiversity, Ecology and Evolution Laboratory

This laboratory course is an introduction to the dynamic processes of living things. This course introduces students to the methods used in the study of evolution, ecology, and biological diversity. Designed for students continuing in life sciences.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in BIOL 2610 is required.

BUS 035 - General Business

General Business students will learn about the role of business in our society and its role in the global economy. Students will understand of the basic functions of business such as owning and operating, marketing, and human resources. The course fulfills one half unit credit of Communication requirement and focuses on oral business communications. Students are expected to create and deliver successful presentations and understand the importance excellent business communications. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

High School Credits: .50

Satisfies a Requirement: Communication OR Fine/Practical Art but not both

Note: Recommended for sophomores with freshmen on an individual basis. College preparatory course.

BUS 042 - Business Law

Business Law is designed to provide a basic understanding of the US legal system with a specific focus on business and consumer applications within the framework of federal, state, and local laws. It examines the relationship between the law and ethics, how law developed, the legal system in the US, the functions of federal and state court systems, civil, criminal, tort and consumer law, negotiable instruments and how they impact everyday life. This course will help students become aware of their rights and responsibilities under the law so they can function as responsible citizens in their personal and professional lives and will develop critical thinking skills through written and oral analysis of illustrative and real life court cases. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Seniors and recommended juniors. College preparatory course.

BUS 051 - Financial Literacy

Students will understand their personal finance responsibilities by applying mathematics to learn the importance of money management, financial security, financial budgeting, debt or credit management, compounding interest, present value/future value computations, loans, mortgages, taxation, inflation, and risk management. Students will also learn how to maximize their earning potential, manage financial resources, organize personal finances, use a budget, understand and develop skills for credit.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: MTH 022 (Minimum Grade: D)

Note: Will not meet Math Residency Requirement. Limited to juniors or seniors. College preparatory course.

BUSA 1110 - Introduction to Business

Fundamental concepts and terminology of business including areas such as management, marketing, accounting, economics, personnel, and finance; and the global environment in which they operate.

Credit Hours: 3.0

Satisfies a Requirement: Business Elective

BUSA 1997 – Independent Study – Business

Business course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

BUSA 2460 - Business Ethics

The course examines the underlying dimensions of ethics in business, investigating ethics in relationship to the organization and its culture, stakeholders, and society. Exploration of ethical issues from a historical perspective, analyzing actual events through the lens of ethical business decision-making, including legal/political, sociocultural, economic and environmental considerations will be undertaken.

Credit Hours: 3.0 - NM General Education: Area V - Humanities

Satisfies a Requirement: Humanities

BUSW 2113 - Business Writing

Explores the theory and practice of business Writing emphasizing style, structure, and format in letters, memoranda, resumes, and reports.

Credit Hours: 3.0 - NM General Education: Area I - Communication

Prerequisite: ENGL 1110 (Minimum Grade: C)

Note: Students successfully completing this course may not enroll in ENGL 2210 (Cross Tally).

CCES 1001 - College Career Exploration Studies

This course is designed to teach students the foundations of good career planning by giving them an opportunity to assess their interests, skills and values in order to identify potential careers; guide them through career research; guide them in developing an educational path; and help them identify NMMI concentrations that fit with their career aspirations. Changing careers several times throughout one's life has become the norm, just as changing career plans while in college is perfectly normal. Decisions about changing careers or career plans should not be made lightly, however, but should be well-thought out.

Credit Hours: 1.0

CHEM 1120 – Introduction to Chemistry (non majors)

This course covers qualitative and quantitative areas of non-organic general chemistry for nonscience majors and some health professions. Students will learn and apply principles pertaining, but not limited to, atomic and molecular structure, the periodic table, acids and bases, mass relationships, and solutions.

Credit Hours: 4.0 - NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Note: Does not meet the AS lab science requirement.

CHEM 1120L - Introduction to Chemistry Laboratory (non majors)

Introduction to Chemistry Laboratory is a laboratory course designed to complement the theory and concepts presented in the Introduction to Chemistry lecture component, and will introduce students to techniques for obtaining and analyzing experimental observations pertaining to chemistry using diverse methods and equipment.

Credit Hours: 0.0 - NM General Education: Area III - Science

Satisfies a Requirement: AA Lab Science

Note: Lab fee required. Concurrent enrollment in CHEM 1120 is required.

Does not meet AS lab science requirement.

CHEM 1215 - General Chemistry I for STEM Majors

This course is intended to serve as an introduction to General Chemistry for students enrolled in science, engineering, and certain preprofessional programs. Students will be introduced to several fundamental concepts, including mole, concentration, heat, atomic and molecular structure, periodicity, bonding, physical states, stoichiometry, and reactions.

Credit Hours: 4.0 - NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Prerequisite: High school Algebra 2 or higher math (Minimum Grade: D)

CHEM 1215L - General Chemistry I Laboratory for STEM Majors

General Chemistry I Laboratory for Science Majors is the first semester laboratory course designed to complement the theory and concepts presented in General Chemistry I lecture. The laboratory component will introduce students to techniques for obtaining and analyzing experimental observations pertaining to chemistry using diverse methods and equipment.

Credit Hours: 0.0 - NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in CHEM 1215 is required.

CHEM 1225 - General Chemistry II for STEM Majors

This course is intended to serve as a continuation of general chemistry principles for students enrolled in science, engineering, and certain preprofessional programs. The course includes, but is not limited to a theoretical and quantitative coverage of solutions and their properties, kinetics, chemical equilibrium, acids and bases, entropy and free energy, electrochemistry, and nuclear chemistry. Additional topics may include (as time permits) organic, polymer, atmospheric, and biochemistry.

Credit Hours: 4.0 – NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Prerequisite: CHEM 1215 (Minimum Grade: D)

CHEM 1225L - General Chemistry II Laboratory for STEM Majors

General Chemistry II Laboratory for Science Majors is the second of a two semester sequence of laboratory courses designed to complement the theory and concepts presented in General Chemistry II lecture. The laboratory component will introduce students to techniques for obtaining and analyzing experimental observations pertaining to chemistry using diverse methods and equipment.

Credit Hours: 0.0 - NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in CHEM 1225 is required.

CHEM 1997 – Independent Study – Chemistry

Chemistry course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

CHEM 2110L - Allied Health Chemistry Laboratory

Laboratory portion of Allied Health Chemistry. The course integrates general chemistry, organic chemistry and biochemistry with biological and health applications. Lecture topics are matter, atoms, ions, compounds, radioactivity, intermolecular forces, solutions, acids and basis, hydrocarbons, carbohydrates, proteins, enzymes, nucleic acids. The selected topics focus on chemical understanding and explanations of life-important processes that occur in living organisms.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in CHEM 2114 is required.

CHEM 2114 - Allied Health Chemistry

The course integrates general chemistry, organic chemistry and biochemistry with biological and health applications. Lecture topics are matter, atoms, ions, compounds, radioactivity, intermolecular forces, solutions, acids and basis, hydrocarbons, carbohydrates, proteins, enzymes, nucleic acids. The selected topics focus on chemical understanding and explanations of life-important processes that occur in living organisms.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

CHIN 1110 - Mandarin Chinese I

This is the first semester of a two-semester sequence in first year modern standard Chinese ("Mandarin"). This course is recommended for students who have had little or no experience in the Chinese language. A beginning Mandarin Chinese course is designed to introduce the Mandarin sound system ("pinyin"), basic vocabulary, Chinese characters (either in Simplified or Traditional characters), and basic grammatical concepts and structures. In order to help beginners develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Credit Hours: 3.0 - NM General Education: Area V - Humanities

Satisfies a Requirement: Humanities

CHIN 1120 - Mandarin Chinese II

This is the second semester of a two-semester sequence in first year modern standard Chinese ("Mandarin"). This course is designed for students who have taken 1st Semester Mandarin Chinese, and focuses on enhancing pronunciation and expanding the vocabulary and grammar dealing with daily activities. In order to help beginners develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Credit Hours: 3.0 - NM General Education: Area V - Humanities

Satisfies a Requirement: Humanities

Prerequisite: CHIN 1110 (Minimum Grade: D) or departmental placement

CHIN 1130 - Mandarin Chinese I Intensive

This is the first semester of a two-semester sequence in first year modern standard Chinese ("Mandarin"). This course is recommended for students who have had little or no experience in the Chinese language. The 1st year intensive Mandarin Chinese course is designed to introduce the Mandarin sound system ("pinyin"), basic vocabulary, and Mandarin Chinese characters (Simplified), and basic grammatical concepts and structures. In order to help beginners develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Credit Hours: 6.0 - NM General Education: Area V - Humanities

Satisfies a Requirement: Humanities

CHIN 1140 - Mandarin Chinese II Intensive

This is the second semester of a two-semester sequence in first year modern standard Chinese ("Mandarin"). This course is designed for students who have taken 1st Semester Intensive Mandarin Chinese, and focuses on enhancing pronunciation and expanding the vocabulary and grammar dealing with daily activities. In order to help beginners develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Credit Hours: 6.0 - NM General Education: Area V - Humanities

Satisfies a Requirement: Humanities

Prerequisite: CHIN 1120 or CHIN 1130 (Minimum Grade: D)

CHIN 1997 – Independent Study – Chinese

Chinese language course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

CHIN 2110 – Mandarin Chinese III

This is the first semester of a two-semester sequence in second year modern standard Chinese ("Mandarin"). This course is designed for students who have taken 1st and 2nd Semester Mandarin Chinese (or equivalence), and have a basic foundation on Chinese phonetics, characters, and grammars. In order to help students develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Credit Hours: 3.0 - NM General Education: Area V - Humanities

Satisfies a Requirement: Humanities

Prerequisite: CHIN 1120 or CHIN 1130 (Minimum Grade: D) or departmental placement

CHIN 2120 - Mandarin Chinese IV

This is the second semester of a two-semester sequence in second year modern standard Chinese ("Mandarin"). This course is designed for students who have taken 1st, 2nd, and 3rd Semester Mandarin Chinese (or equivalence), and have a good foundation on Chinese phonetics, characters, and grammars. In order to help students develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Credit Hours: 3.0 - NM General Education: Area V - Humanities

Satisfies a Requirement: Humanities

Prerequisite: CHIN 2110 (Minimum Grade: D) or departmental placement

CHIN 2130 – Intermediate Chinese I

This is the first semester of a two-semester sequence in intermediate modern standard Chinese ("Mandarin"). This course is designed for students who have completed two years of Chinese language education (or equivalence), and have a basic foundation on Chinese phonetics, characters, and grammars. In order to help students develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Credit Hours: 3.0

Satisfies a Requirement: Humanities

Prerequisite: CHIN 2120 (Minimum Grade: D) or instructor permission

CHIN 2131 – Intermediate Chinese II

This is the second semester of a two-semester sequence in intermediate modern standard Chinese ("Mandarin"). This course is designed for students who have taken two and one half years of Chinese language education (or equivalence), and focuses on enhancing pronunciation and expanding the vocabulary and grammar dealing with daily activities. In order to help intermediate speakers develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Satisfies a Requirement: Humanities

Prerequisite: CHIN 2130 (Minimum Grade: D) or instructor permission

CHIN 2140 – Advanced Chinese I

This is the first semester of a two-semester sequence in advanced modern standard Chinese ("Mandarin"). This course is designed for students who have taken three years of Chinese language (or equivalence), and have a basic foundation on Chinese phonetics, characters, and grammars. In order to help students develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Satisfies a Requirement: Humanities

Prerequisite: CHIN 2131 (Minimum Grade: D) or instructor permission

CHIN 2141 – Advanced Chinese II

This is the second semester of a two-semester sequence in advanced modern standard Chinese ("Mandarin"). This course is designed for students who have taken three and a half years of Chinese language (or equivalence), and have a basic foundation on Chinese phonetics, characters, and grammars. In order to help students develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

Satisfies a Requirement: Humanities

Prerequisite: CHIN 2140 (Minimum Grade: D) or instructor permission

CHM 031 - Chemistry A

Basic concepts of chemistry will be introduced in this course; matter and changes in matter, atoms, arrangement of electrons in atoms, the periodic law, chemical bonding, chemical formulas and chemical compounds, chemical equations and reactions. Basic measurements and calculation rules will be introduced at the beginning of this course.

This course will help the student see how chemical principles are developed from experimental observations and data. Concepts are first introduced in simplest terms and slowly developed until the student can deal with their quantitative aspects. Because of its scope and in-depth development of concepts, this course is a year sequence course.

High School Credits: .50

Satisfies a Requirement: Lab Science

Prerequisite: MTH 021-022 (Minimum Grade: D)

Note: Lab fee required. College preparatory course.

CHM 032 - Chemistry B

More advanced chemistry concepts will be introduced in this spring semester course; stoichiometry, states of matter, gases, solutions, ions in aqueous solutions, and colligative properties, acids and bases, acid-base titration and pH. This course will help the student see how chemical principles are developed from experimental observations and data. Concepts are first introduced in simplest terms and slowly developed until the student can deal with their quantitative aspects. Because of its scope and in-depth development of concepts, this course is a year sequence course.

High School Credits: .50

Satisfies a Requirement: Lab Science

Prerequisite: CHM 031 (Minimum Grade: D)

Note: Lab fee required. College preparatory course.

CHN 011 - Chinese 1A

Chinese 1A is the first year Chinese language course for students who have no background in Chinese. This course fulfills part of the Modern Language graduation requirement. Beginning Chinese introduces the Chinese character system and the study of basic vocabulary and grammar topics. Students are expected to begin developing communicative competency in the four language skills of listening, speaking, reading and writing. Grammar topics include present, past and future tense particles, beginning Chinese sentence structure, topic-comment sentence structure and STPVO word order.

Students should be able to communicate at a beginning level using the basic vocabulary and grammar covered in class and should be able to understand and produce short sentence-length passages. One day per week is dedicated to practice in the language lab using multimedia materials available on-line. Cultural topics include the names and locations of some Chinese provinces as well as cultural norms involving vocabulary such as greetings, making appointments and school life. Students will also be introduced to the recent history and basic customs of the Han Chinese as well as become aware of the drastic diversity of "dialects" within the Chinese language. Additionally, students will gain insight into the language-learning process and the importance of possessing accurate cultural background information about the native speakers of other languages.

Credit Hours: 0.50

Satisfies a Requirement: Modern Language

Note: Students with prior Chinese knowledge or experience should consult with the instructor for proper placement.

CHN 012 - Chinese 1B

Chinese 1B is the second half of the first year Chinese language course for students who have no background in Chinese. This course fulfills part of the Modern Language graduation requirement. The prerequisite is completion of CHN 011 with a grade of D or better. It continues the study of basic vocabulary and grammar topics. Students are expected to continue developing communicative competency in the four language skills of listening, speaking, reading and writing. Vocabulary units cover words for describing the weather as well as those used to describe trips, vacations, and renting a home or lodging. Grammar topics include present, past, and future particles, beginning Chinese sentence structure, topic-comment sentence structure and STPVO word order. Students should be able to communicate at a beginning level using the basic vocabulary and grammar covered in class and should be able to understand and produce sentence-length passages.

One day per week is dedicated to practice in the language lab using multimedia materials available on-line. Cultural topics include the names and locations of some Chinese provinces as well as cultural norms involving vocabulary such as haggling, negotiating traffic, and gift giving. Additionally, students will gain insight into the language-learning process and the importance of possessing accurate cultural background information about the native speakers of other languages.

High School Credits: .50

Prerequisite: CHN 011 (Minimum Grade: D)

Satisfies a Requirement: Modern Language

Note: Students with prior Chinese knowledge or experience should consult with the instructor for proper placement.

CHN 021 - Chinese 2A

This is the first semester of a two-semester sequence in second year modern standard Chinese ("Mandarin"). This course is designed for students who have taken Chinese 1B (or equivalence), and have a basic foundation on Chinese phonetics, characters, and grammars. In order to help students develop their communicative competence in the four basic skills, the 5C's (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

High School Credits: .50

Prerequisite: CHN 012 (Minimum Grade: D) or permission of the instructor/department.

Satisfies a Requirement: Modern Language

CHN 022 - Chinese 2B

This is the second semester of a two-semester sequence in second year modern standard Chinese ("Mandarin"). This course is designed for students who have taken Chinese 2A, and focuses on enhancing pronunciation and expanding the vocabulary and grammar dealing with daily activities. In order to help beginners develop their communicative competence in the four basic skills, the 5C's (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

High School Credits: .50

Prerequisite: CHN 021 (Minimum Grade: D) or permission of the instructor/department.

Satisfies a Requirement: Modern Language

CHN 031 - Chinese 3A

This is the first semester of a two-semester sequence in third year modern standard Chinese ("Mandarin"). This course is designed for students who have taken Chinese 2B (or equivalence), and have a basic foundation on Chinese phonetics, characters, and grammars. In order to help students develop their communicative competence in the four basic skills, the 5C's (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

High School Credits: .50

Prerequisite: CHN 022 (Minimum Grade: D) or permission of the instructor/department.

Satisfies a Requirement: Modern Language

CHN 032 - Chinese 3B

This is the second semester of a two-semester sequence in third year modern standard Chinese ("Mandarin"). This course is designed for students who have taken Chinese 3A, and focuses on enhancing pronunciation and expanding the vocabulary and grammar dealing with daily activities. In order to help intermediate speakers develop their communicative competence in the four basic skills, the 5C's (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

High School Credits: .50

Prerequisite: CHN 031 (Minimum Grade: D) or permission of the instructor/department.

Satisfies a Requirement: Modern Language

CHN 041 - Chinese 4A

This is the first semester of a two-semester sequence in fourth year modern standard Chinese ("Mandarin"). This course is designed for students who have taken Chinese 3B (or equivalence), and have a basic foundation on Chinese phonetics, characters, and grammars. In order to help students develop their communicative competence in the four basic skills, the 5C's (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

High School Credits: .50

Prerequisite: CHN 032 (Minimum Grade: D) or permission of the instructor/department.

Satisfies a Requirement: Modern Language

CHN 042 - Chinese 4B

This is the second semester of a two-semester sequence in fourth year modern standard Chinese ("Mandarin"). This course is designed for students who have taken Chinese 4A, and focuses on enhancing pronunciation and expanding the vocabulary and grammar dealing with daily activities. In order to help advanced speakers develop their communicative competence in the four basic skills, the 5C's (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

High School Credits: .50

Prerequisite: CHN 041 (Minimum Grade: D) or permission of the instructor/department.

Satisfies a Requirement: Modern Language

CIS 015 - Keyboarding

Keyboarding introduces students to the keyboard and principle components of using a word processing application on the microcomputer. Emphasis is on the development of typing using the touch typing method through typing letters, classroom assignments and term papers. The student text, combined with the program's interactive software, helps a student build strong keyboarding and document processing skills, while introducing the student to numerous software commands and techniques. This course utilizes individualized learning for the preparation of assignments, and is not for students who have received credits for a similar course at NMMI or another High School or College.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Note: Lab fee required. This course does not meet the computer literacy CIS 017 requirement.

CIS 017 - Computer Concepts

This course seeks to achieve an understanding and use of computer technology as a survival skill, which includes knowing the role and uses of the Internet and the connection of technology to daily activities at home and the workplace. Students will build their knowledge of key computer concepts: the Internet and Web, networking, how the computer works, computer systems and applications, and the range of ethical issues that continue to emerge in our global, technology-driven society. Students will recognize the role of critical thinking, leadership, and ethics in making effective decisions.

High School Credits: .50

Prerequisite: ENG 021 (Minimum Grade: D)

Satisfies a Requirement: Computer Literacy

Note: Lab fee required. Keyboarding (CIS 015) does not meet this requirement. Sophomores or above.

CJUS 1110 – Introduction to Criminal Justice

This course provides an overall exploration of the historical development and structure of the United States criminal justice system, with emphasis on how the varied components of the justice system intertwine to protect and preserve individual rights. The course covers critical analysis of criminal justice processes and the ethical, legal, and political factors affecting the exercise of discretion by criminal justice professionals.

Credit Hours: 3.0 - NM General Education: Area IV – Social & Behavioral Sciences

Satisfies a Requirement: Social & Behavioral Sciences

CJUS 1120 - Criminal Law

This course covers basic principles of substantive criminal law including elements of crimes against persons, property, public order, public morality, defenses to crimes, and parties to crime.

Credit Hours: 3.0

Prerequisite: CJUS 1110 (Minimum Grade: D)

Note: Does not satisfy a Social & Behavioral Sciences graduation requirement

CJUS 1170 - Criminology

The course will explore the crime problem, its context, and especially to explain causes of crime. The course will cover Foundations for Criminology, Theories of Crime, and Types of Crime. The first half of the class will be lectures on Crime and Criminology, The Nature and Extent of Crime, and Victims and Victimization. The second part of the class will be lectures on Rational Choice Theories, Trait Theories, Social Structure Theories, Social

Conflict, Developmental Theories, Social Structure Theories of Crime, Social Process Theories of Crime, Social Reaction Theories of Crime. The third part will cover lectures in Interpersonal Violence, Political Crime and Terrorism, Property Crime, Enterprise Crime, Public Order Crime. The class will also be devoted to discussion groups who will be assigned special discussion questions related to the chapter being discussed. Discussion groups will give opportunity to students to use communication skills with each other as they work as a team to resolve a question/problem. The instructor will use handouts, films and guest speakers as additional information on topics.

Credit Hours: 3.0

Note: Does not satisfy a Social & Behavioral Sciences graduation requirement

CJUS 2150 - Corrections System

This course introduces the corrections system in the United States, including the processing of an offender in the system and the responsibilities and duties of correctional professionals. The course covers the historical development, theory, and practice, as well as the institutional and community-based alternatives available in the corrections process.

Credit Hours: 3.0

Prerequisite: CJUS 1110 (Minimum Grade: D)

Note: Not a Social & Behavioral Sciences requirement course.

CJUS 2220 - The American Law Enforcement System

This course covers the historical and philosophical foundations of law and order, with an in-depth examination of the various local, state, and federal law enforcement agencies and how they interact within the criminal justice system.

Credit Hours: 3.0

Prerequisite: CJUS 1110 (Minimum Grade: D)

Note: Does not meet a Social & Behavioral Sciences requirement.

CJUS 2350 – Organized Crime/Terrorism

This course familiarizes the learner with a broad overview of the unlawful activities of people and groups whose purpose is to profit through legitimate gain by illegal enterprises or advance their agendas through violence. The course also examines terrorism and its relationship to traditional organized crime as well as its impact on law enforcement. The history of organized crime and terrorism will be explored as well as their relevance to criminal justice in today's world.

Credit Hours: 3.0

Note: Not open to high school students. Does not meet a Social & Behavioral Sciences requirement.

CJUS 2998 - Criminal Justice Internship

Criminal Justice course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Note: Does not meet a Social & Behavioral Sciences requirement.

COM 031 - Speech

This course will help students to discover, develop, and express ideas related to informative and persuasive speaking in a public setting. Students will learn the various steps in the process of developing, organizing, and executing their ideas, anticipating situations and presenting their ideas to an audience, enhancing these ideas by critically thinking about them, and properly analyzing an audience considering ethical aspects and multicultural awareness. Students will also develop critical listening skills to properly analyze speeches for use of logic, evidence, and reasoning.

High School Credits: .50

Satisfies a Requirement: Communication

COMM 1115 – Communication

This survey course introduces the principles of communication in the areas of interpersonal, intercultural, small group, organizational, public speaking, and mass and social media.

Credit Hours: 3.0 - NM General Education: Area I – Communication

Prerequisite: ENGL 1110 or COMM 1130 (Minimum Grade: D)

COMM 1130 – Public Speaking

This course introduces the theory and fundamental principles of public speaking, emphasizing audience analysis, reasoning, the use of evidence, and effective delivery. Students will study principles of communication theory and rhetoric and apply them in the analysis, preparation and presentation of speeches, including informative, persuasive, and impromptu speeches.
Credit Hours: 3.0 - NM General Education: Area I – Communication
Satisfies a Requirement: Communications

COMM 1140 – Introduction to Media Writing

This course combines a theoretical foundation with practical applications. It provides an introduction to journalism, as well as an overview of the most common types of writing required in public relations, advertising and strategic communication.
Credit Hours: 3.0
Satisfies a Requirement: Humanities
Note: Does not meet communications requirement.

COMM 1150 – Introduction to Mass Communication

This course introduces students to the history, models, theories, concepts, and terminology of mass communication, focusing on various media and professions. The course will enable students to develop media literacy skills to interpret mass communication and understand the effects of media on society and their lives.
Credit Hours: 3.0 - NM General Education: Area V – Humanities
Satisfies a Requirement: Humanities
Note: Does not meet communications requirement

COMM 1997 – Independent Study – Communications

Communications course reserved for those wishing to study material not otherwise offered. Instructor permission required.
Credit Hours: TBD
Prerequisite: Instructor permission required

COMM 2120 – Interpersonal Communications

This course provides an introduction to the study of interpersonal communication. Students will examine the application of interpersonal communication in personal and professional relationships.
Credit Hours: 3.0 – NM General Education: Area I - Communication
Satisfies a Requirement: Communications

COMM 2170 – Intercultural Communications

This course introduces students to the basic concepts, theories and skills necessary to succeed in an increasingly multicultural world.
Credit Hours: 3.0 – NM General Education: Area I - Communication
Note: Course currently counts towards NM Gen Ed communication, but not towards NMMI graduation requirement.

CRJI 1997 – Independent Study – Criminal Justice

Criminal Justice course reserved for those wishing to study material not otherwise offered.
Credit Hours: TBD
Prerequisite: Instructor permission

CRJI 2613 – Constitutional Law

This course examines the principles of constitutional law utilizing case law from United States Supreme Court cases. Also we will examine the federal judicial legal process. Emphasis is on the nature of due process and the rights of the criminal defendant. This course will not deal with the sociological aspects of constitutional law. We will use two methods of studying constitutional law. The first is the case law method and the second is the textbook method. The case law method is designed to help you remember the principle of law of the case relating to a factual pattern which occurred in the case. The textbook method is the study of the textbook, which is a treatise on constitutional law. The textbook method consists of general rules and conclusions based on court decisions and is therefore the product of inductive reasoning.
Note: Does not meet a Social & Behavioral Sciences requirement.

DRAM 1113 - Introduction to Drama

Course introduces students to the basic element of theatre including dramatic theory, acting, directing, playwriting, and technical production. It provides classroom observational and experiential opportunities in those elements (participation) and enhances that learning through an audience experience (observation). The student will, after course completion, understand the basic elements of live theatre, basic terminology and concepts, and what it means to be/participate in live theatre. The course and helps prepare students for a major/minor in theatre.
Credit Hours: 3.0
Satisfies a Requirement: Creative & Fine Arts

ECN 051 - Economics

Introduces fundamental economic concepts and the study of the five main divisions: consumption, production, exchange, distribution, and governmental functions. Students will learn about economics and choice, market economies at work, money, banking, and finance, measuring and monitoring economic performance, the role of government in the economy, and the global economy. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.
High School Credits: .50
Satisfies a Requirement: Economics
Prerequisite: HIS 021/HIS 022 (Minimum Grade: D)

ECON 2110 - Principles of Macro Economics

Macroeconomics is the study of national and global economies. Topics include output, unemployment and inflation; and how they are affected by financial systems, fiscal and monetary policies.
Credit Hours: 3.0- NM General Education: Area IV – Social & Behavioral Sciences
Satisfies a Requirement: Social & Behavioral Sciences and Business Concentration

ECON 2120 - Principles of Macro Economics

This course will provide a broad overview of microeconomics. Microeconomics is the study of issues specific to households, firms, or industries with an emphasis on the role of markets. Topics discussed will include household and firm behavior, demand and supply, government intervention, market structures, and the efficient allocation of resources.
Credit Hours: 3.0- NM General Education: Area IV – Social & Behavioral Sciences
Satisfies a Requirement: Social & Behavioral Sciences and Business Concentration

ELC 011 – English Enrichment

This is a one semester course in English Enrichment for non-native speakers of English. This class will focus on developing and improving the command of English in the four basic skills of listening, speaking, reading and writing so that they will be able to function in a mainstream classroom. Particular focus will be on the New Mexico Military Institute classroom and courses integrating academic and social paradigms in school, community, and social settings. Additional learning units will incorporate conduct and expectations in the American classroom and at New Mexico Military Institute. Critical thinking and leadership will be seamlessly integrated into the activities and lesson plans of the course.
High School Credits: .50
Note: Developmental

ELC 012 – Advanced English Enrichment

This is a one semester advanced course in English Language Immersion for non-native speakers of English. This class will focus on advanced use of the command of English in the four skills of listening, speaking, reading and writing so that students will be able to function in a mainstream classroom. Particular focus will be on the New Mexico Military Institute classroom and courses integrating academic and social paradigms in school, community, and social settings. Additional learning units will incorporate conduct and expectations in the American classroom and at New Mexico Military Institute. Critical thinking and leadership will be seamlessly integrated into the activities and lesson plans of the course.
High School Credits: .50

Prerequisite: ELC 011
Note: Developmental

ELC 021 – English Language and American Culture

English Language and American Culture is a class designed to prepare students for success in an American classroom setting. They will be exposed to United States culture through outings and academic assignments. Reading, writing, oral presentations, critical thinking, and ethical values are emphasized.

High School Credits: .50
Note: Developmental

ELC 022 – Advanced English Language and American Culture

This is a second semester course in English Language and American Culture for non-native speakers of English. This course is part of the curriculum for students who have acquired an Intermediate level of English overseas and are unprepared to enter the standard NMMI English curriculum. The English Language and American Culture course is designed to prepare first-year international students for success in NMMI classrooms and courses. In order to help beginners develop their communicative competence in the four basic skills, the 5Cs (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

High School Credits: .50
Prerequisite: ELC 021
Note: Developmental

ENG 011 - English 1A

This is an introductory English survey course. Students will establish their skills in the use of standard edited American English along with their skills in reading, writing, critical thinking, grammar, usage, vocabulary, and research which they will practice weekly. Particular attention will be placed on generating scholastic work. Students will read at least three significant works of literature and other material totaling no less than 90,000 words and will write at least one unified essay of no less than 1,000 words.

High School Credits: .50
Satisfies a Requirement: English
Note: Fee required. College preparatory course.

ENG 012 - English 1B

This is the continuation of the ENG 011 survey course. Students will establish their skills in the use of standard edited American English along with their skills in reading, writing, critical thinking, grammar, usage, vocabulary, and research which they will practice weekly. Particular attention will be placed on generating scholastic work. Students will read at least three significant works of literature and other material totaling no less than 90,000 words and will write at least one unified essay of no less than 1,000 words.

High School Credits: .50
Satisfies a Requirement: English
Note: Fee required. College preparatory course.

ENG 021 - English 2A

This is a World Literature survey English course. Students will reinforce their skills in the use of standard edited American English. Students will concentrate on content, expression, and mechanics. Essays will include a variety of rhetorical modes and the utilization of research using the MLA system of documentation requiring quotations from sources. Special emphasis will be placed on structure and organization in both written and spoken work. Students will read at least three significant works of literature and other material totaling no less than 120,000 words and will write at least one unified essay of no less than 1,500 words.

High School Credits: .50
Satisfies a Requirement: English
Note: Fee required. College preparatory course.

ENG 022 - English 2B

This is a continuation of the ENG 021 World Literature survey English course. Students will reinforce their skills in the use of standard edited American English. Students will concentrate on content, expression, and mechanics.

Essays will include a variety of rhetorical modes and the utilization of research using the MLA system of documentation requiring quotations from sources. Special emphasis will be placed on structure and organization in both written and spoken work. Students will read at least three significant works of literature and other material totaling no less than 120,000 words and will write at least one unified essay of no less than 1,500 words.

High School Credits: .50
Satisfies a Requirement: English
Note: Fee required. College preparatory course.

ENG 025 - Myths and Folktales of the World

This elective survey English course offers a comparative study of myths and folktales from many cultures, with emphasis on critical thinking and finding multicultural connections. Students will complete at least two narrative essays and one research project involving an oral presentation.

High School Credits: .50
Satisfies a Requirement: Communication
Note: Does not meet an English requirement. College preparatory course.

ENG 031 - English 3A

This course chronologically traces the development of American Literature from a province of European culture into a fully fledged source of national pride, while building critical skills in reading, writing, thinking, grammar and research. Students will practice effective test-taking skills, vocabulary acquisition, grammar as a composition skill, and revision of sentences as keys to writing style. Particular emphasis will be placed on the skill of revision of scholastic work. Students will read at least three significant works of literature and other material totaling no less than 150,000 words and will write at least one unified essay of no less than 2,000 words.

High School Credits: .50
Satisfies a Requirement: English
Note: Fee required. College preparatory course.

ENG 032 - English 3B

A continuation of English 3A, English 3B chronologically traces the development of American Literature through the historical upheaval of the Civil War and into the modern era while building critical skills in reading, writing, thinking, grammar and research. Students will practice effective test-taking skills, vocabulary acquisition, grammar as a composition skill, and revision of sentences as keys to writing style. Particular emphasis will be placed on the skill of revision of scholastic work. Students will read at least three significant works of literature and other material totaling no less than 150,000 words and will write at least one unified essay of no less than 2,000 words.

High School Credits: .50
Satisfies a Requirement: English
Note: Fee required. College preparatory course.

ENG 041 - English 4A

English 4A is a capstone requirement for a diploma from the New Mexico Military Institute and through the chronological study of British Language and Literature, students will synthesize its dominant themes and reflect on its contribution to Western civilization. Students will demonstrate college preparatory mastery of writing, reading, critical thinking, grammar and MLA style research. Students will augment their skills in revision, discussion, presentation, memorization and vocabulary acquisition. Students will read at least three significant works of literature and other material totaling no less than 200,000 words. Students must pass a common essay examination to earn credit.

High School Credits: .50
Satisfies a Requirement: English
Note: Fee required. College preparatory course.

ENG 042 - English 4B

ENG 042 is a continuation of ENG 041 and a requirement for a diploma from New Mexico Military Institute. Students will chronologically study the dominant themes of British Language and Literature, and reflect on its contribution to Western Civilization as they read at least three significant works of literature and other material totaling no less than 200,000 words. In

doing so, students will demonstrate college preparatory mastery of writing, reading, critical thinking, understanding literary criticism and performing MLA style research, and augment their skills in memorization, vocabulary acquisition, grammar, discussion, presentation, and revision. In addition, in order to receive credit for ENG 042, and thus graduate from NMMI, each student must pass the Critical Analysis, or Capstone paper. For this assignment, the student will write and thoroughly revise an extensive research paper of at least 3,500 words that will employ all of the skills the student has accumulated during four years of high school English.

High School Credits: .50

Satisfies a Requirement: English

Note: Fee required. College preparatory course.

ENG 045 - Creative Writing

This is a creative writing course designed to fulfill either a humanities or communication skills requirement. Creative Writing is designed to introduce high school students to the most widely studied and published forms of artistic writing. Students will write prose, poetry, and scenes. Students will write in a workshop setting. Students will make verbal presentations of work, both in class and outside class. Students will present work in a published form for a reading audience.

Credit Hours: 0.50

Satisfies a Requirement: Communication

Prerequisite: ENG 031 (Minimum Grade: D)

ENGL 1031 - Writing Workshop Lab

This general education English course, a co-requisite support class, is designed to support collegiate level writing skills through application of rhetorical models—narrative, descriptive, comparative, illustrative, analysis, and causal in a workshop setting. Students will use the lab time to improve writing, reading, thinking, and research skills in additional in developing these skills.

Credit Hours: 1.0

Note: Course is to be taken along with ENGL 1033 (Writing Workshop), if English Placement Exam is below 40.

ENGL 1031 – Writing Workshop Lab

This general education English course, a co-requisite support class, is designed to support collegiate level writing skills through application of rhetorical models—narrative, descriptive, comparative, illustrative, analysis, and causal in a workshop setting. Students will use the lab time to improve writing, reading, thinking, and research skills in additional in developing these skills.

Credit Hours: 1.0

Note: Course is to be taken along with ENGL 1033 (Writing Workshop), if English Placement Exam score is below 40.

ENGL 1033 - Writing Workshop

This general education English course is intended to establish collegiate level writing skills through the exploration of rhetorical models—narrative, descriptive, comparative, illustrative, definitive and causal. Students will use the writing process in a workshop setting to improve writing, reading, thinking, and research skills.

Credit Hours: 3.0

Prerequisite: Initial placement in English courses is determined by standardized test scores (see English Test Scores and Placement).

Note: Students must earn a "C" in this course to be eligible to take ENGL 1110, or they will repeat the course. ENGL 1031 (Writing Workshop Lab) is a co-requisite support class for ENGL 1033, for those with English Placement Exam score below 40.

ENGL 1110 - Composition I

In this course, students will read, write, and think about a variety of issues and texts. They will develop reading and writing skills that will help with the writing required in their fields of study and other personal and professional contexts. Students will learn to analyze rhetorical situations in terms of audience, contexts, purpose, mediums, and technologies and apply this knowledge to their reading and writing. They will also gain an understanding of how writing and other modes of communication work together for

rhetorical purposes. Students will learn to analyze the rhetorical context of any writing task and compose with purpose, audience, and genre in mind. Students will reflect on their own writing processes, learn to workshop drafts with other writers, and practice techniques for writing, revising, and editing. Credit Hours: 3.0- NM General Education: Area I – Communication Satisfies a Requirement: Communications Prerequisite: Initial placement in English courses is determined by standardized test scores (see English Test Scores and Placement). Note: This course is a prerequisite for all higher level English courses. Student must earn a "C" grade to meet the minimum standard or repeat the course.

ENGL 1120 - Composition II

In this course, students will explore argument in multiple genres. Research and writing practices emphasize summary, analysis, evaluation, and integration of secondary sources. Students will analyze rhetorical situations in terms of audience, contexts, purpose, mediums, and technologies and apply this knowledge to their reading, writing, and research. Students will sharpen their understanding of how writing and other modes of communication work together for rhetorical purposes. The emphasis of this course will be on research methods.

Credit Hours: 3.0

Satisfies a Requirement: Communication

Prerequisite: ENGL 1110 (Minimum Grade: C)

Note: Recommended for all students who transfer to four-year colleges.

ENGL 132X - Photojournalism and Narrative with Book Publishing I-IV

This course will involve an introduction to the basic elements of photojournalism and narrative design for book publication, especially books containing visual graphics. Students will apply skills of Photoshop and InDesign to a number of specific assignments centered on creating narratives to accompany images and series of images. The book production explores ladder organization, production deadlines, and photography as an art form. Students will be required to complete project pages and editorial responsibilities. Primary software packages used are: Photoshop, Illustrator, Adobe, Word, Canvas, and Indesign.

Credit Hours: 3.0

Prerequisite: Instructor permission

Note: Elective credit only. Will not satisfy an ENGL or HUMN requirement.

ENGL 1997 – Independent Study – English

English course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

ENGL 2210 - Professional & Technical Communication

Professional and Technical Communication will introduce students to the different types of documents and correspondence that they will create in their professional careers. This course emphasizes the importance of audience, document design, and the use of technology in designing, developing, and delivering documents. This course will provide students with experience in professional correspondence and communicating technical information to a non-technical audience.

Credit Hours: 3.0 - NM General Education: Area I – Communication

Satisfies a Requirement: Communication

Prerequisite: ENGL 1110 (Minimum Grade: C)

Note: Student may not enroll in BUSW 2113 after completing this course (cross-tally course).

ENGL 2310 – Introduction to Creative Writing

This course will introduce students to the basic elements of creative writing, including short fiction, poetry, and creative nonfiction. Students will read and study published works as models, but the focus of this "workshop" course is on students revising and reflecting on their own writing. Throughout this course, students will be expected to read poetry, fiction, and non-fiction closely, and analyze the craft features employed. They will be expected to write frequently in each of these genres.

Credit Hours: 3.0- NM General Education: Area VI – Creative & Fine Arts

Satisfies a Requirement: Creative & Fine Arts

Prerequisite: ENGL 1110 (Minimum Grade: C)

ENGL 2315 – Advanced Creative Writing

Provides continued exploration and development for writers with experience in a given genre and emphasizes the practice and techniques of published writers.

Credit Hours: 3.0

Prerequisite: ENGL 2310 (Minimum Grade: D) or instructor permission

ENGL 2610 - American Literature I

This course surveys American literature from the colonial period to the mid-nineteenth century. This course provides students with the contexts and documents necessary to understand the origins of American Literature and the aesthetic, cultural, and ideological debates central to early American culture.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Prerequisite: ENGL 1110 (Minimum Grade: C)

ENGL 2620 - American Literature II

This course surveys American literature from the mid-nineteenth-century to the contemporary period. This course provides students with the contexts and documents necessary to understand American Literature and the aesthetic, cultural, and ideological debates central to American culture.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Prerequisite: ENGL 1110 (Minimum Grade: C)

ENGL 2630 - British Literature I

This course offers a study of British literature from its origins in Old English to the 18th century. This survey covers specific literary works—essays, short stories, novels, poems, and plays—as well as the social, cultural, and intellectual currents that influenced the literature.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Prerequisite: ENGL 1110 (Minimum Grade: C)

ENGL 2640 - British Literature II

This course offers a study of British literature from the 18th century to the present. This survey covers specific literary works—short stories, novels, poems, and plays—as well as the social, cultural, and intellectual currents that influenced the literature.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Prerequisite: ENGL 1110 (Minimum Grade: C)

ENGR 1103 - Introduction to Engineering

Introduces students to the profession, including the disciplines of chemical, civil, computer, electrical, environmental, and mechanical engineering.

Prepares students for success through the integration of the following important skills: technical problem solving and engineering design, ethical decision-making, teamwork, and communicating to others both orally and in writing.

Credit Hours: 3.0

Prerequisite: High school physics (PHY 032) or concurrent enrollment in PHYS 1230 (Minimum Grade: D) or instructor permission

ENGR 1453 - Engineering Graphics and Design I

Introduces engineering graphical methods and disciplines with emphasis on basic principles and applications. Topics include technical drawing and design, orthographic projection, and 3D modeling. The student is required to learn a CAD program.

Credit Hours: 3.0

Prerequisite: ENGR 1103 (Minimum Grade: D) or instructor permission.

Note: Lab fee required. This course does not meet mathematics graduation requirements.

ENGR 1463 - Engineering Graphics and Design II

Advanced Engineering graphical methods with emphasis on 3D modeling and applications. Topics include solids and surfaces, rendering, lighting, perspective, and descriptive geometry. The student is required to know CAD. Credit Hours: 3.0

Prerequisite: ENGR 1453 (Minimum Grade: D)

Note: Lab fee required. This course does not meet mathematics graduation requirements. Student must have knowledge of CAD.

ENGR 2163 – Fluid Mechanics

This is a first course in fluid mechanics that should develop the student's ability to analyze and solve problems using well-understood basic principles applied in a logical manner. The emphasis of this course will be to expose the student to the principles of fluid mechanics in order to successfully apply those concepts to the solution of engineering problems. Some of the topics that will be addressed in this course include: fluid statics, the Bernoulli equation, fluid kinematics, finite control volume analysis, dimensional analysis, internal and external flow.

Credit Hours: 3.0

Prerequisite: PHYS 2223 (Minimum Grade: D)

ENR 013 – Principles of Engineering

The course introduces a study of the application of different types of engineering majors to real world problems/situations. It's designed as high school level course for students interesting in engineering, design and associated professions. This course provides a powerful fundamental foundation of engineering skills that students needed to succeed academically and prepare them professionally to face the challenges related to any activities in engineering field. The major focus of ENR 013 is Project-Oriented, a hands-on learning process where the learners are involved 100% in kinds of projects that usually will lead to products. However, the main goal of the process is the learning effect not the products itself. Basically, the Project-Oriented is an opportunity for students to apply mathematic and scientific principles to solve practical engineering problems, to be involved in laboratory work, to design process, research and analysis, practice written and verbal communication skills, acquire teamwork and computational skills. During this course, students will demonstrate curiosity, creativity, flexibility and adaptability to change from one engineering field to another.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: MTH 038 (Minimum Grade: D) or MTH 044 (Minimum Grade: D) or MTH 033 (Minimum Grade: D) or permission of the instructor

ESC 031 - Earth Science

Earth science involves the study of physical processes of the Earth and universe. The course is a year long. The Fall semester is a survey of astronomy, meteorology, and oceanography. Integrated laboratory exercises focus on reinforcing classroom lecture material.

High School Credits: .50

Satisfies a Requirement: Lab Science

Note: Lab fee required. College preparatory course.

ESC 032 - Earth Science

Earth science involves the study of physical processes of the Earth and universe. The course is a year long. The Spring semester is a survey of geology and geologic processes on and below the surface. Integrated laboratory exercises focus on reinforcing classroom lecture material.

High School Credits: .50

Satisfies a Requirement: Lab Science

Note: Lab fee required. College preparatory course.

FDMA 1110 – Film History

Explores concepts of how text, graphics, sound, images and video come together in a digital media program and researching new trends and current issues related to media applications and design. Students will be involved in teamwork, communication and workplace interaction simulation.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Note: Meets humanities, but not communications or history requirement.

FDMA 1260 – Introduction to Digital Media

Explores concepts of how text, graphics, sound, images and video come together in a digital media program and researching new trends and current issues related to media applications and design. Students will be involved in teamwork, communication and workplace interaction simulation.

Credit Hours: 3.0 - NM General Education: Area VI – Creative & Fine Arts

Satisfies a Requirement: Creative & Fine Arts

Note: Does not meet communications or humanities requirement.

FDMA 2110 – Introduction to Film Studies

This course introduces students to the fundamentals in film history, criticism, and theory. Though viewing and analysis of a variety of narrative, documentary, and experimental films, students will advance their understanding of key issues in filmic representation and aesthetics. A range of approaches will be employed in understanding the aesthetic and cultural significance of the medium, including feminism, post-colonialism, critical race theory, and modernism.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Note: Does not meet communications or history requirement.

FREN 1110 – French I

Intended for students with no previous exposure to French, this course develops basic listening, speaking, reading, and writing skills aiming toward the ACTFL novice-high level. This is an introductory course designed to teach the student to communicate in French in everyday situations and to develop an understanding of French and Francophone cultures through the identification of cultural products and practices, of cultural perspectives, and the ability to function at a survival level in an authentic cultural content. This course will also develop the student's sense of personal and social responsibility through the identification of social issues.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Note: Not open to native speakers or students who have completed the high school French sequence.

FREN 1120 – French II

A continuation of French I, students will develop a broader foundation in skills gained during the first semester, including understanding, speaking, reading and writing French aiming toward the ACTFL intermediate-low level. This course is designed to increase student fluency in French as applied to everyday situations. Students will also learn to recognize and understand various French and Francophone products, practices, and perspectives, identifying common cultural patterns, describing basic cultural viewpoints, and further developing their sense of personal and social responsibility through the investigation of cultural issues.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Prerequisite: FREN 1110 (Minimum Grade: D) or permission of department head

FREN 2113 - Intermediate French I

This is a French course at the intermediate second-year college level. The prerequisite is successful completion of FREN 1123 or FREN 1124. While learning French vocabulary, pronunciation and grammar, students will be connected to current cultural information engaging them in meaningful communicative activities that will take place in class as a valuable source of oral interaction in French. Students will study intermediate topics from modern French textbook materials that prepare them for advanced study and are expected to develop intermediate level competency in the skills of listening, speaking, reading and writing.

Credit Hours: 3.0

Satisfies a Requirement: Humanities

Prerequisite: FREN 1120 (Minimum Grade: D) or permission of the instructor

FREN 2123 - Intermediate French II

Second-semester college intermediate French, continues the learning of French vocabulary, pronunciation and grammar. The prerequisite is successful completion of FREN 2113 or FREN 2114. Current cultural

information will be presented in meaningful communicative activities to continue oral interaction in French. Students will study intermediate topics from modern French textbook materials that prepare them for advanced study and are expected to develop intermediate level competency in the skills of listening, speaking, reading and writing.

Credit Hours: 3.0

Satisfies a Requirement: Humanities

Prerequisite: FREN 2113 (Minimum Grade: D) or permission of the instructor

FRN 011 - French 1A

French 1A is a beginning French course for students with no background in French. This course fulfills part of the Modern Language requirement for graduation from NMMI. Students will develop beginning proficiency using the language skills of listening, speaking, writing and reading in French. Students will also be acquainted with the culture and geography of French-speaking countries. This course covers infinitives, affirmative and negative statements, adjectives, adverbs, word order, subject pronouns, plurals and present tense conjugations of verbs. Students will obtain knowledge of vocabulary in French that can be used in communicative situations pertaining to cultural and linguistic themes of the units covered in the course.

High School Credits: .50

Satisfies a Requirement: Modern Language

Note: College preparatory course

FRN 012 - French 1B

French 1B is the continuation of French 1A. It is a beginning course for students with little background in French. The prerequisite is successful completion of French 1A. Students will continue to develop and build on proficiency in the four language skills of reading, writing, listening and speaking. They will continue to learn about the culture and geography of French-speaking countries. This course covers verb conjugation of third class infinitives, future and past tenses. In addition, other topics include irregular adjectives, position of adjectives, demonstrative adjectives, irregular verbs such as vouloir, pouvoir, prendre, mettre, falloir, devoir, voir, comparative and superlative of adjectives. Students will obtain knowledge of vocabulary in French that can be used in communicative situations pertaining to cultural and linguistic themes of the units covered in this course.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: FRN 011 (Minimum Grade: D) or permission of the instructor/department

Note: College preparatory course

FRN 021 - French 2A

French 2A is an intermediate level course for students who have successfully completed the beginning French sequence. Students will continue to develop proficiency at the intermediate level in the language skills of reading, writing, listening and speaking. In addition, students will continue to learn about the culture and geography of French-speaking countries. This course introduces the following grammatical concepts: the irregular verbs venir, mettre, prendre, voir, partir, sortir, dormir, lire, vouloir, pouvoir, devoir, falloir, s'asseoir, courir, past tense conjugation with the helping verbs avoir and être, irregular past participles, the superlative of adjectives, prepositions with geographical nouns, ordinal numbers, more irregular plural forms of nouns and adjectives, reflexive verbs, imperative of reflexive verbs, past tense of reflexive verbs and direct object pronouns. Students will obtain knowledge of vocabulary in French that can be used in communicative and linguistic themes of the units covered in the course.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: FRN 012 (Minimum Grade: D) or permission of the instructor/department

Note: College preparatory course

FRN 022 - French 2B

French 2B is an intermediate level course for students who have successfully completed French 2A. Students will continue to develop proficiency at the intermediate level in the language skills of listening, reading, writing and speaking. In addition, they will continue to learn about the culture and

geography of French-speaking countries. This course introduces the irregular verbs ouvrir, écrire, savoir, connaître, recevoir, boire, vivre, conduire and suivre in the present, past (passé composé), the past imperfect, the conditional and the future tenses. Also covered are indirect object pronouns, double object pronouns, comparative forms of adverbs, the concept of ago and since, relative and interrogative pronouns, the imperfect versus the passé composé and the object pronouns y and en. Students will obtain knowledge of vocabulary that can be used in communicative and linguistic themes of the units covered in the course.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: FRN 021 (Minimum Grade: D) or permission of the instructor/department

Note: College preparatory course

FYEX 1110 – First Year Seminar

This course is designed to help students achieve greater success in college and in life. Students will learn many proven strategies for creating greater academic, professional, and personal success. Topics may include career exploration, time management, study and test-taking strategies to adapt to different learning environments, interpersonal relationships, wellness management, financial literacy, and campus and community resources.
Credit Hours: 2.0

GEOL 1110 – Physical Geology

Physical Geology is an introduction to our dynamic Earth introducing students to the materials that make up Earth (rocks and minerals) and the processes that create and modify the features of our planet. The course will help students learn how mountains are formed, how volcanoes erupt, where earthquakes occur, and how water, wind, and ice can shape the landscape. Students will also develop a basic understanding of the ways humans have altered the planet including our impact on natural resources and global climate change.

Credit Hours: 4.0 - NM General Education: Area III – Science

Satisfies a Requirement: Laboratory Science

GEOL 1110L – Physical Geology Laboratory

Physical Geology Lab is the laboratory component of Physical Geology. Students will learn to identify rocks and minerals in hand samples, work with topographic maps, geologic maps, and geologic cross-sections, and apply stratigraphic principles to explore geologic time.

Credits Hours: 0.0 - NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in GEOL 1110 is required.

GEOL 1120 – Environmental Geology

This course is a survey of environmental geology with an introduction to problems of pollution, population, human relations to the environment, resource use, geologic hazards and environmental problems. The course covers the major components of the Earth system, i.e. atmosphere, lithosphere, hydrosphere, and biosphere, and how they are related. Environmental Geology addresses the mechanisms that drive these Earth processes, how different parts of the Earth are connected, how matter and energy flow through our environment, and how humans fit into the environmental systems. Emphasis is placed on the use of the scientific method and the development of critical thinking skills in understanding environmental issues.

Credit Hours: 4.0 - NM General Education: Area III – Science

Satisfies a Requirement: Laboratory Science

GEOL 1120L – Environmental Geology Laboratory

Environmental Geology Laboratory is the lab component of Environmental Geology. This course is an introduction to geologic materials and processes as applied to the human environment. Included are practical exercises with rocks, minerals, topographic and geologic maps, and water, mineral and energy resources. Hazards associated with natural processes will be evaluated.

Credits Hours: 0.0 - NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in GEOL 1120 is required.

GEOL 2110 – Historical Geology

This course reviews the major geological and biological processes and events over the Earth's 4.6-billion-year history. Students will learn about the formation of the Earth and its development through time including changes in the lithosphere, atmosphere, hydrosphere, and biosphere. The interrelationships between the physical aspects of Earth history and biological origins, evolution of species, and causes of extinctions will be explored.

Credit Hours: 4.0 - NM General Education: Area III – Science

Satisfies a Requirement: Laboratory Science

GEOL 2110L – Historical Geology Laboratory

Historical Geology Laboratory is the laboratory component of Historical Geology. This course applies geologic principles and techniques to reconstruct the history of Earth. Students will explore key concepts of geologic time and stratigraphy, identify fossils and use fossils to make stratigraphic correlations. Students will employ actualism to determine past depositional environments.

Credit Hours: 0.0 - NM General Education: Area III - Science

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in GEOL 2110 is required.

GVT 031 - American Government

Introduces fundamental concepts of American government, political ideals and questions of current interest. Develops understanding to promote participation.

High School Credits: .50

Satisfies a Requirement: Government

Prerequisite: HIS 021/022 (Minimum Grade: D)

HIS 007 - Global Studies

Global Studies is the examination of cultural, political, geographic, historical, and economic forces and events that people in major world regions experience at the present moment. The focus of this interdisciplinary course will give students insight into the past, a better understanding of the present, and the ability to discern future events occurring throughout the world. This class presents a multi-discipline study of world events from the outbreak of World War II to the present. In the process, the regions of Europe, Africa, Asia and the Americas will be studied. Conflicts and problems that are regional or global will be studied for their historic causes and their political, social, and economic effects. Reading, writing, critical thinking, and ethical values are emphasized.

High School Credits: .50

Satisfies a Requirement: Elective

Note: Course is primarily a high school freshman course and will prepare the student for World History. Does not meet a World History requirement.

HIS 011 - World History to 1500

Surveys the economic, social, and political events and trends from ancient times to the seventeenth century.

High School Credits: .50

Satisfies a Requirement: World History

Note: College preparatory course

HIS 012 - World History since 1500

Surveys the economic, social and political events and trends from seventeenth century to the present time.

High School Credits: .50

Satisfies a Requirement: World History

Note: College preparatory course

HIS 021 - U.S. History to 1877

Surveys in depth the political, economic, social, and cultural development of the United States and its role in World affairs from the colonial era to 1865.

High School Credits: .50

Satisfies a Requirement: U.S. History

Prerequisite: HIS 011/012 (Minimum Grade: D)
Note: College preparatory course

HIS 022 - U.S. History from 1877

Surveys in depth the political, economic, social, and cultural development of the United States and its role in World affairs from the beginning to reconstruction to the present.

High School Credits: .50

Satisfies a Requirement: U.S. History

Prerequisite: HIS 011/012 (Minimum Grade: D)

Note: College preparatory course

HIST 1110 - United States History I

The primary objective of this course is to serve as an introduction to the history of the United States from the pre-colonial period to the immediate aftermath of the Civil War. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of the United States within the context of world societies.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: History or Humanities

Note: Requirement for History concentration.

HIST 1120 - United States History II

The primary objective of this course is to serve as an introduction to the history of the United States from reconstruction to the present. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of the United States within the context of world societies.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: History or Humanities

Note: Requirement for History concentration.

HIST 1130 - World History I

The primary objective of this course is to serve as an introduction to global history from ancient times to the 16th century. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of world societies.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: History or Humanities

HIST 1140 - World History II

The primary objective of this course is to serve as an introduction to global history from the 16th century to the present. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of world societies.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: History or Humanities

HIST 1150 - Western Civilization I

This course is a chronological treatment of the history of the western world from ancient times to the early modern era. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of western civilization within the context of world societies. Selective attention will be given to "non-western" civilizations which impact and influence the development of "western" civilization.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: History or Humanities

HIST 1160 - Western Civilization II

This course is a chronological treatment of the history of the western world from the early modern era to the present. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of western civilization within the context of world societies. Selective attention will be given to "non-western" civilizations which impact and influence the development of "western" civilization.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: History or Humanities

HIST 1213 – Introduction to German Culture and Civilization

This is the first of two courses designed to give the student an introductory overview of German Culture and its development. It will cover the span of roughly one thousand years; from the Great Migrations and the fall of the Roman Empire to the formation of the so-called 'Second Reich' under Otto von Bismarck.

Credits Hours: 3.0

Satisfies a Requirement: Humanities

Note: This course does not fulfill a history graduation requirement

HIST 1223 – Introduction to German Culture and Civilization II

This continuation course in German culture and civilization covers the more recent history and culture of Germany, Austria-Hungary, Switzerland and other areas of German culture from the beginning of Bismarck's Second Empire to current issues related to post-unification Germany. This course is taught in English

Credits Hours: 3.0

Satisfies a Requirement: Humanities

Note: This course does not fulfill a history graduation requirement

HIST 1997 – Independent Study – History

History course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

HIST 2145 - American Military History

This course is a survey of the American military experience from colonial times to the present. Our purpose is to understand the history and traditions of our armed forces as they have changed over the years. Our study will examine the political, economic, social, and intellectual contexts that have shaped our institutions of war and peace. Throughout the semester we will concentrate on honing our analytical and communication skills.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: AA History or AS Humanities

Note: Will not suffice for AS History (one course) requirement.

HLED 1130 – Concepts of Health & Wellness

Introduces the student to the "Seven Dimensions of Wellness" (physical, emotional, intellectual, interpersonal, spiritual, environmental, and financial). This course addresses topics including fitness, exercise, nutrition, stress management and chronic lifestyle-related diseases.

Credit Hours: 3.0

HPER 1213 - Introduction and Foundations of Physical Education

Introduction to the foundations of the discipline of physical education while exploring personal career choices.

Credit Hours: 3.0

HPER 1322 - Medical Terminology in Athletic Training

This course is intended to assist those studying in the fields of medicine and health care by learning a word building system for defining, using, spelling and pronouncing medical words.

Credit Hours: 2.0

Note: Course designed for those interested in athletic training.

HPER 1513 - Introduction to Athletic Training

Covers the evaluation and treatment of athletic injuries with athletic training techniques and uses of support materials to prevent athletic injuries. Covers the evaluation, treatment, and prevention of these injuries, including use of supporting apparatus, hydrotherapy, physio-therapy, bandaging, and massage.

Credit Hours: 3.0

Note: This course is an entry level class for Athletic Training Education.

HPER 1613 – Exercise Science

Lecture course with selected activity and learning experiences regarding principles and methods for developing and maintaining physical fitness.
Credit Hours: 3.0

HPER 1997 – Independent Study – HPER

HPER course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

HPER 2513 - Theory of Leadership and Coaching

Comprehensive introduction to the art and science of coaching and leadership. Introduction to positive coaching philosophy; principles of coaching; and sport pedagogy, physiology, medicine and management.
Credit Hours: 3.0

HPER 2552 - Sports Officiating

This course provides a working knowledge of team rules. The course includes a familiarization of the rules, regulations and proper protocol to follow as an athletic official.

Credit Hours: 2.0

Note: State certification will be available.

HPER 2913 - Athletic Clinical Practicum

Instruction, practice, and application of clinical proficiencies as established by the NATA Education council.

Credit Hours: 3.0

HUMN 1211 - Leadership Development

Integrates character education and moral development theory within the context of leadership. Stresses critical thinking through readings and films on fictional, historic, and contemporary leaders dealing with moral and ethical issues. Follows PTK curriculum.

Credit Hours: 3.0

Satisfies a Requirement: Humanities

Note: This course does not satisfy the Military Science/Leadership graduation requirement.

HUMN 2130 – World Mythology

This course is an introduction to the nature and function of mythology. In this class we will study and compare mythologies of different cultures, keeping an eye on the ways in which myths expresses the inexpressible.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

Prerequisite: ENGL 1110 (Minimum Grade: C)

IPS 021 - Physical Science

IPS 021 is a one semester course, which counts as one half lab science credit.

Successful completion of the course will satisfy the graduation requirements for a lab science course. We will cover ideas and concepts that study the complex world of chemistry and physics. These concepts will be related to the real world giving students an appreciation of physical science.

Scope of IPS 021 includes: data analysis; gas laws; motion; atoms and stoichiometry; work and energy; and simple machines.

High School Credits: .50

Satisfies a Requirement: Lab Science

Prerequisite: MTH 021 (Minimum Grade: D) taken through NMMI or validated MTH 021 (Minimum Grade: D) through NMMI Math Placement Exam. Or, concurrent enrollment in MTH 021.

Note: Lab fee required

IPS 022 - Physical Science B

IPS 022 is a one semester course, which counts as one half lab science credit.

Successful completion of the course will satisfy the graduation requirements for a lab science course. We will cover ideas and concepts that study the complex world of chemistry and physics. These concepts will be related to the real world giving students an appreciation of physical science.

Scope of IPS 022 includes: data analysis; nomenclature; thermodynamics; stoichiometry; and mechanics of waves.

High School Credits: .50

Satisfies a Requirement: Lab Science

Prerequisite: IPS 021 (Minimum Grade: D)

Note: Lab fee required

LEAD 1103 - Introduction to Leadership

This course presents an introduction to the field of leadership. It will discuss the goals, theories and skills of leadership. The course will discuss leadership theories and practices from a multi-discipline approach. The course will provide students with the tools, key concepts and research findings to help them better understand the challenges of leadership and become better leaders. The course will prepare students for higher levels of study in the field of leadership.

Events unfolding in the world today make it essential that students develop leadership skills in interpersonal relations, team building, and cultural diversity. The ability to make ethical decisions is one of the hallmarks of a good leader. Throughout the course the instructor will emphasize ethical leadership. The course uses a multi-disciplined approach to leadership. The psychological and sociological factors of leadership will be addressed during the course as well as various leadership models. With a strong base in the humanities, the course will use literature, movies and video sources to help the students gain an understanding of leadership theories. Overall, the course will help students understand the field of leadership and how these skills can be used in their chosen careers.

Credit Hours: 3.0

Satisfies a Requirement: Leadership

LEAD 1813 – Introduction to Applied Leadership

This class bridges the gap between theory and practice as content combines with experiential teaching methods. It provides students with an opportunity to increase their understanding of leadership theory, examine how attitudes about themselves and others influence leadership behavior and character development, and stimulates the development of new skills through demonstration and practice. The class discusses contemporary leadership theories, and analyzes various methods and styles of leadership while providing students with opportunity to better understand their leadership strengths and challenges. Topics include ethical practices, development of personal leadership and pro-social behaviors, situational approaches to leadership, followership, effective teams, diversity, power, communication, instructional techniques, and group debriefing skills. Students will assess their personal leadership qualities and develop a professional portfolio. This course is designed to provide the basic knowledge and psychomotor skills required to “meet” ACCT Level I Challenge Course Practitioner Certification requirements for the routine facilitation of a challenge course as part of leadership education. This course is particularly beneficial for cadets who hold leadership positions. Enrollment is limited.

Credit Hours: 3.0

Note: This course does not satisfy the Military Science/Leadership graduation requirement.

LET 011 - Leadership Education 1A

Consists of subcourses in: Introduction to ROTC and the Army, Introduction to Leadership Theory, Drill and Ceremonies, Hygiene and First Aid, Introduction to Maps and Map Reading, Introduction to Techniques of Oral Communications, Marksmanship and Safety, to include the New Mexico Hunter Safety Program, and Introduction to Leadership Development 2. Course meetings to include outside activities.

High School Credits: .50

Satisfies a Requirement: Leadership Education

LET 012 - Leadership Education 1B

Consists of subcourses in: Introduction to ROTC and the Army, Introduction to Leadership Theory, Drill and Ceremonies, Hygiene and First Aid, Introduction to Maps and Map Reading, Introduction to Techniques of Oral Communications, Marksmanship and Safety, to include the New Mexico Hunter Safety Program, and Introduction to Leadership Development 2.

High School Credits: .50

Satisfies a Requirement: Leadership Education

LET 021 - Leadership Education 2A

Consists of subcourses in: Intermediate Leadership, Drill and Ceremonies, Intermediate First Aid, Intermediate Map Reading, Intermediate Techniques of Oral Communications, Intermediate Marksmanship and Safety. Also considered are the United States Army, People, Places, and Times, Service/ROTC Opportunities, the Role of the Army, and Introduction to Leadership Development 3. Hours to be documented by JROTC.

High School Credits: .50

Satisfies a Requirement: Leadership Training

LET 022 - Leadership Education 2B

Consists of subcourses in: Intermediate Leadership, Drill and Ceremonies, Intermediate First Aid, Intermediate Map Reading, Intermediate Techniques of Oral Communications, Intermediate Marksmanship and Safety. Also considered are the United States Army, People, Places, and Times, Service/ROTC Opportunities, the Role of the Army, and Introduction to Leadership Development 3. Hours to be documented by JROTC.

High School Credits: .50

Satisfies a Requirement: Leadership Training

LET 031 - Leadership Education 3A

Consists of subcourses in: Development of the Army, Service Opportunities, Applied Marksmanship, Psychology of Leadership, Leadership and Small Unit Leaders' Problems, Seminar in Leadership and Management, Applied Methods of Instructions, Applied Map Reading, Leadership Development, and Drill, and Introduction to Leadership Development 4. Hours to be documented by JROTC.

High School Credits: .50

Satisfies a Requirement: Leadership Training

LET 032 - Leadership Education 3B

Consists of subcourses in: Development of the Army, Service Opportunities, Applied Marksmanship, Psychology of Leadership, Leadership and Small Unit Leaders' Problems, Seminar in Leadership and Management, Applied Methods of Instructions, Applied Map Reading, Leadership Development, and Drill, and Introduction to Leadership Development 4. Hours to be documented by JROTC and HS Principal.

High School Credits: .50

Satisfies a Requirement: Leadership Education

LET 041 - Leadership Education 4A

Offers subcourses in: Military Occupational Specialty (MOS) Study, Advanced Methods of Instruction, Staff Functions and Procedures, Army and Its Role in National Development, Review of Advanced Map Reading, and Leadership Development and Drill. Hours monitored by JROTC and/or HS Principal.

High School Credits: .50

Satisfies a Requirement: Leadership Education

LET 042 - Leadership Education 4B

Offers subcourses in: Military Occupational Specialty (MOS) Study, Advanced Methods of Instruction, Staff Functions and Procedures, Army and Its Role in National Development, Review of Advanced Map Reading, and Leadership Development and Drill. Hours monitored by JROTC and/or HS Principal.

High School Credits: .50

Satisfies a Requirement: Leadership Education

MATH 0913 - Elementary Algebra

Topics covered include basic computational skills involving fractions, decimals, and percents as well as showing the transition to applying those skills when an unknown or variable is present. Other topics include operations in algebra, first-degree equations and inequalities, exponents, polynomials, and factoring. Factoring will be covered with great emphasis. This course may be used to meet residency and eligibility requirements, but may not be used to fulfill the 60.0 hour graduation requirement. Math placement scores will be used to determine enrollment in this course.

Credit Hours: 3.0

Note: Developmental course. Does not count towards graduation credit hours, but does count for eligibility and residency requirements.

MATH 1130 - Survey of Mathematics

This course will develop students' ability to work with and interpret numerical data, to apply logical and symbolic analysis to a variety of problems, and/or to model phenomena with mathematical or logical reasoning. Topics include financial mathematics used in everyday life situations, statistics, and optional topics from a wide array of authentic contexts.

Credit Hours: 3.0 - NM General Education: Area II – Mathematics

Satisfies a Requirement: AA Mathematics

Prerequisite: ACT Math \geq 22 or SAT Math \geq 501 or NMMI Math Placement Exam (Intermediate Algebra) \geq 70 or Accuplacer Advanced Algebra \geq 239 or pass MATH 1215 (Minimum Grade: D)

Note: Meets the mathematics requirement for the AA degree but does not meet the AS requirement.

MATH 1150 - Math for Business and Social Science

Studies finite math topics used in business, biology, and social science including systems of linear equations, matrices, linear programming, counting techniques, probability, and math of finance.

Credit Hours: 3.0 - NM General Education: Area II – Mathematics

Satisfies a Requirement: Mathematics

Prerequisite: MATH 1215 (Minimum Grade: D)

Note: Meets both AA and AS mathematics requirement.

MATH 1215 – Intermediate Algebra

A study of linear and quadratic functions, and an introduction to polynomial, absolute value, rational, radical, exponential, and logarithmic functions. A development of strategies for solving single-variable equations and contextual problems.

Credit Hours: 3.0

Prerequisite: ACT Math \geq 19 or SAT Math \geq 450 or NMMI Math Placement Exam (Intermediate Algebra) \geq 40 or Accuplacer Arithmetic \geq 264 or Accuplacer Quantitative Reasoning \geq 234 or pass MATH 0913 (Minimum Grade: D)

Note: This course may be used to meet residency and eligibility requirements, but may not be used to fulfill the math graduation requirement. This course may be used as elective credit to fulfill the 60 hour graduation requirement.

MATH 1220 - College Algebra

The study of equations, functions and graphs, reviewing linear and quadratic functions, and concentrating on polynomial, rational, exponential and logarithmic functions. Emphasizes algebraic problem-solving skills and graphical representation of functions.

Credit Hours: 3.0 - NM General Education: Area II – Mathematics

Satisfies a Requirement: Mathematics

Prerequisite: ACT Math \geq 22 or SAT Math \geq 501 or NMMI Math Placement Exam (Intermediate Algebra) \geq 70 or Accuplacer Advanced Algebra \geq 239 or pass MATH 1215 (Minimum Grade) or Math department approval

MATH 1230 - Trigonometry

A study of plane trigonometry including the definitions of the fundamental trig functions using right angle triangle and unit circle approaches. Trig functions of any real number will be evaluated, and the functions graphed along with their transformations. Trigonometric identities will be developed and demonstrated including multiple angle identities and identities developed from them. Inverse Trigonometric functions will be developed and used to solve trigonometric equations. Trigonometric applications will be solved using right angle trigonometry and the laws of sines and cosines. Trigonometric methods will be applied to complex numbers and the use of 2D vectors and vector dot products.

Credit Hours: 3.0 - NM General Education: Area II – Mathematics

Satisfies a Requirement: Mathematics

Prerequisite: ACT Math \geq 25 or SAT Math \geq 561 or NMMI Math Placement Exam (College Algebra) \geq 70 or Accuplacer Advanced Algebra \geq 249 or pass MATH 1220 (Minimum Grade: D) or Math department approval

MATH 1250 – Trigonometry & Pre-Calculus

Trigonometry & Pre-Calculus includes the study of functions in general with emphasis on the elementary functions: algebraic, exponential, logarithmic, trigonometric and inverse trigonometric functions. Topics include rates of change, limits, systems of equations, conic sections, sequences and series, trigonometric equations and identities, complex number, vectors, and applications.

Credit Hours: 4.0 - NM General Education: Area II – Mathematics

Satisfies a Requirement: Mathematics

Prerequisite: ACT Math \geq 25 or SAT Math \geq 561 or NMMI Math Placement Exam (College Algebra) \geq 70 or Accuplacer Advanced Algebra \geq 249 or pass MATH 1220 (Minimum Grade: D) or Math department approval

MATH 1350 - Introduction to Statistics

This course discusses the fundamentals of descriptive and inferential statistics. Students will gain introductions to topics such as descriptive statistics, probability and basic probability models used in statistics, sampling and statistical inference, and techniques for the visual presentation of numerical data. These concepts will be illustrated by examples from a variety of fields

Credit Hours: 3.0 - NM General Education: Area II – Mathematics

Satisfies a Requirement: Mathematics

Prerequisite: College Algebra (Minimum Grade: D) or Intermediate Algebra (Minimum Grade: B)

MATH 1510 - Calculus I

Introduces the intuitive, numerical and theoretical concepts of limits, continuity, differentiation and integration. Includes the study of extrema, curve sketching, and applications involving algebraic, exponential, logarithmic and trigonometric functions. Designed for mathematics, science and engineering majors.

Credit Hours: 4.0 - NM General Education: Area II – Mathematics

Satisfies a Requirement: Mathematics

Prerequisite: ACT Math \geq 28 or SAT Math \geq 631 or NMMI Math Placement Exam (Trigonometry) \geq 70 or Accuplacer Advanced Algebra \geq 284 or pass MATH 1230 (Minimum Grade: D) or MATH 1250 (Minimum Grade: D) or Math department approval

MATH 1520 - Calculus II

Continues course of study begun in Calculus I. Covers integration techniques, numerical integration, improper integrals, some differential equations, sequences, series and applications.

Credit Hours: 4.0

Satisfies a Requirement: Mathematics

Prerequisite: MATH 1510 (Minimum Grade: C) or Math department approval

MATH 1997 – Independent Study – Mathematics

Mathematics course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

MATH 2413 – Discrete Mathematics

Discrete Mathematics covers mathematical topics pertinent to computer science, such as logic and Boolean algebra, set theory, proof techniques, relations, functions, graphs, trees, counting techniques, and discrete probability. Proof techniques include induction. Counting techniques include permutations, combinations, recurrences, and sequences, and algorithms to generate them.

Credit Hours: 3.0

Satisfies a Requirement: Mathematics

Prerequisite: Computer Science I/II (Minimum Grade: D)

Note: Student may not enroll in MCIS 2413 after completing this course

MATH 2530 - Calculus III

Continuation of Calculus II including multivariate and vector calculus, level curves and surfaces, partial derivatives, gradient, directional derivatives, tangent planes, optimization, multiple integrals in Cartesian, cylindrical and spherical coordinate systems.

Credit Hours: 4.0

Satisfies a Requirement: Mathematics

Prerequisite: MATH 1520 (Minimum Grade: C)

MATH 2624 - Differential Equations

Differential Equations covers techniques for solving first and higher order equations and systems of equations including separation of variables, Laplace Transform, numerical and matrix methods, and series. Applications to physics and other sciences are included. The 4-hour class time includes lab time one period a week with an emphasis on graphical representation of differential equations.

Credit Hours: 4.0

Satisfies a Requirement: Mathematics

Prerequisite: MATH 2530 (Minimum Grade: D)

Note: You must possess an understanding of the concepts of differential, integral and multivariable calculus and are skilled in using the concepts.

MCIS 1710L – Computer Programming Fundamentals Lab

Lab component of MCIS 1714

Credit Hours: 0.0

Note: Lab fee required. Concurrent enrollment in MCIS 1714 is required.

MCIS 1714 – Computer Programming Fundamentals

Computer Programming Fundamentals is an introductory course that aims to give students a strong foundation in the fundamentals of object-oriented programming (OOP). The methodical creation of programs is emphasized in this course, along with methods for testing, debugging, and documentation. This course provides a thorough exploration of basic computer science concepts and techniques, and is designed for beginners with little to no programming experience. This course combines lecture and laboratory instruction. Lectures, reading assignments, challenge activities, quizzes, and projects are used to convey concepts. During a laboratory section, students are given specific time to work on their programming assignments and ask questions about their code. This Course will be taught using Python Programming language.

Credit Hours: 4.0

Prerequisite: MATH 1220 (Minimum Grade: D) or instructor approval

MCIS 1820L - Computer Science II Lab

Computer Science II Laboratory. Computer Science II covers intermediate-level structured programming, object-oriented programming, and software engineering. This course emphasizes the specification, application, and implementation of abstract data types. It also addresses issues such as security, ethics, and professionalism. This course can be taught using any object-oriented programming language. Currently, Microsoft Visual C++ 2013 Express is used.

This course is presented as a combined lecture and laboratory course.

Concepts are presented by lectures and reading assignments. Specific time for students to work on their programming assignments and ask questions about their code is provided during a laboratory section. Notice that students most likely will need to spend additional time outside of the laboratory time to complete their assignments and may ask questions during the instructor's office hours.

Credit Hours: 0.0

Note: Lab fee required. Concurrent enrollment in MCIS 1824 is required.

MCIS 1824 - Computer Science II

Computer Science II covers intermediate-level structured programming, object-oriented programming, and software engineering. This course emphasizes the specification, application, and implementation of abstract data types. It also addresses issues such as security, ethics, and professionalism. This course can be taught using any object-oriented programming language. Currently, Microsoft Visual C++ 2013 Express is used.

This course is presented as a combined lecture and laboratory course.

Concepts are presented by lectures and reading assignments. Specific time for students to work on their programming assignments and ask questions about their code is provided during a laboratory section. Notice that students most likely will need to spend additional time outside of the

laboratory time to complete their assignments and may ask questions during the instructor's office hours.

Four credit hours: Three lecture hours and two lab hours.

Credit Hours: 4.0

Prerequisite: MCIS 1714 (Minimum Grade: D)

MCIS 2414 - Discrete Mathematics

Discrete Mathematics covers mathematical topics pertinent to computer science, such as logic and Boolean algebra, set theory, proof techniques, relations, functions, graphs, trees, counting techniques, and discrete probability. Proof techniques include induction. Counting techniques include permutations, combinations, recurrences, and sequences, and algorithms to generate them. Programs will be implemented, using the concepts learned, to define and manipulate abstract representations of the real world. This course can be taught using any object-oriented programming language. Currently, Microsoft Visual C++ 2013 Express is used.

Credit Hours: 4.0

Prerequisite: MCIS 1714 (Minimum Grade: D) and MCIS 1824 (Minimum Grade: D). Concurrent registration allowed with MCIS 1824.

MCIS 2810L - Computer Science III Lab

Computer Science III Laboratory. Computer Science III covers advanced-level structured programming, object-oriented programming, and software engineering. This course emphasizes the lifecycle of software development from problem description to maintenance. Implementation of medium to large-sized programming projects using object-oriented design techniques and modern development environment software tools will be stressed. Software engineering topics include lifecycles, metrics, requirements specifications, design methodologies, validation and verification, testing, reliability, and project planning. It also addresses issues such as security, ethics, and professionalism. This course can be taught using any object-oriented programming language. Currently, Microsoft Visual C++ 2013 Express is used.

This course is presented as a combined lecture and laboratory course. Concepts are presented by lectures and reading assignments. Specific time for students to work on their programming projects and ask questions about their code is provided during a laboratory section. Notice that students most likely will need to spend additional time outside of the laboratory time to complete their assignments and may ask questions during the instructor's office hours.

Credit Hours: 0.0

Note: Lab fee required. Concurrent enrollment in MCIS 2814 is required.

MCIS 2814 - Computer Science III

Computer Science III covers advanced-level structured programming, object-oriented programming, and software engineering. This course emphasizes the lifecycle of software development from problem description to maintenance. Implementation of medium to large-sized programming projects using object-oriented design techniques and modern development environment software tools will be stressed. Software engineering topics include lifecycles, metrics, requirements specifications, design methodologies, validation and verification, testing, reliability, and project planning. It also addresses issues such as security, ethics, and professionalism. This course can be taught using any object-oriented programming language. Currently, Microsoft Visual C++ 2013 Express is used.

This course is presented as a combined lecture and laboratory course. Concepts are presented by lectures and reading assignments. Specific time for students to work on their programming projects and ask questions about their code is provided during a laboratory section. Notice that students most likely will need to spend additional time outside of the laboratory time to complete their assignments and may ask questions during the instructor's office hours.

Credit Hours: 4.0

Prerequisite: MCIS 1824 (Minimum Grade: D), MCIS 2414 (Minimum Grade: D) and MATH 1510 (Minimum Grade: D). Concurrent enrollment allowed with MATH 1510.

MCS 013 – Computer Science A

Computer Science A course aims to equip students with fundamental knowledge and skills in computer science and computational thinking. It combines theoretical concepts with hands-on activities to explore algorithms, programming, Web development, and problem-solving skills. Students will also learn about elements of computer science, data processing, and the impact of computing. By the end of the course, students will have a solid foundation in computing, fostering creativity, critical thinking, digital literacy, and Web programming.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

MCS 014 – Computer Science B

Computer Science B offers a comprehensive study through an integrated approach to learning fundamental concepts in block programming, web development, and microcontroller technology. Through a blend of theoretical instruction and hands-on projects, students will gain a solid foundation in these three key areas of modern technology.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: MCS 013 (Minimum Grade: D)

MGMT 2110 - Principles of Management

An introduction to the basic theory of management including the functions of planning, organizing, staffing, leading, and controlling; while considering management's ethical and social responsibilities.

Credit Hours: 3.0

Satisfies a Requirement: Business Elective

MKTG 2110 - Principles of Marketing

Survey of modern marketing concepts and practices focusing on the marketing mix: product, pricing, promotion, and distribution strategies. Topics include; the marketing environment, consumer behavior, marketing research, target marketing, and the ethical and social responsibilities of marketers.

Credit Hours: 3.0

Satisfies a Requirement: Business Elective

MSL 101 - Military Science I

Introduces the organization and mission of the U.S. Army, leadership values, attributes, skills, and actions, map reading, communication, small unit tactics, customs and courtesies of the service.

Credit Hours: 1.0

MSL 102 - Military Science I

Introduces the organization and mission of the U.S. Army, leadership values, attributes, skills, and actions, map reading, communication, small unit tactics, customs and courtesies of the service.

Credit Hours: 1.0

MSL 151 - Military Science II

Provides instruction in leadership, small unit tactics, and history of the U.S. Army, military briefings, and mission orders.

Credit Hours: 2.0

Note: Also includes problem solving, decision-making, and practical exercises.

MSL 152 - Military Science II

Provides instruction in leadership, small unit tactics, and history of the U.S. Army, military briefings, and mission orders.

Credit Hours: 2.0

MSL 201 - Military Science III

Challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with scenarios related to squad tactical operations. Cadets receive systematic and specific feed-back on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities. The focus is developing cadets' tactical leadership abilities to enable

them to succeed at ROTC's summer Leadership Development and Assessment Course (LDAC).

Credit Hours: 3.0

Note: Early Commissioning Program. Concurrent enrollment in MSL 205 is required.

MSL 202 - Military Science III

Increasingly intense situational leadership challenges to build cadet awareness and skills in leading small units. Skills in decision-making, persuading and motivating team members when 'under fire' are explored, evaluated, and developed. Aspects of military operations are reviewed as a means of preparing for the ROTC Leader Development and Assessment Course (LDAC). Cadets are expected to apply basic principles of the Law of Land Warfare, Army training, and motivation to troop leading procedures. Emphasis is also placed on conducting military briefings and developing proficiency in Garrison operation orders. Cadets are evaluated on what they know and do as leaders.

Credit Hours: 3.0

Note: Early Commissioning Program. Concurrent enrollment in MSL 205 is required.

MSL 205 - Military Science Contract Physical Training

Military Science Contract program physical training program. Associated with/tied to MS Contract program, repeatable and done each semester cadet is in the MS Contract Program.

Credit Hours: 1.0

Note: College cadets only. Class is graded as Pass/Fail (P/F).

MSL 251 - Military Science IV

Develops cadet proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets assess risk, make ethical decisions, and lead fellow ROTC cadets. Lessons on military justice and personnel processes prepare cadets to make the transition to Army officers. MSL IV cadets analyze, evaluate, and instruct cadets at lower levels. Both their classroom and battalion leadership experiences are designed to prepare cadets for their first unit of assignment. They identify responsibilities of key staff, coordinate staff roles, and use situational opportunities to teach, train, and develop subordinates. Cadet objectives include the following: Leadership Values and Ethics, Personal Development, Officership, Tactics and Techniques

Credit Hours: 3.0

Note: Early Commissioning Program. Concurrent enrollment in MSL 205 is required.

MSL 252 - Military Science IV

Leadership in a Complex World Explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with nongovernmental organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare cadets to face the complex ethical and practical demands of leading as commissioned officers in the United States Army.

Credit Hours: 3.0

Note: Early Commissioning Program. Concurrent enrollment in MSL 205 is required.

MTH 015 - Pre-Algebra A

The Pre- Algebra course focuses on introductory algebra topics. It is designed to facilitate the transition from the concrete concepts of arithmetic to the abstract concepts of algebra. This course will cover the four basic operations of arithmetic with whole numbers, fractions and decimals. Beginning algebra concepts that include factors, exponents, graphs, variables, simple equations, rectangular coordinates, roots, and simple word problems are studied throughout the semester. A formal study of geometry is introduced by studying the concepts of perimeter, area, and volume.

High School Credits: .50

Satisfies a Requirement: Math

Note: This course will meet one of the four-year math requirements if taken prior to Algebra 1. A student may not complete Algebra 1 or 2 or a higher math and then return to this course for graduation credit.

MTH 016 - Pre-Algebra B

The course continues to build upon the algebra concepts introduced in MTH 015 and expands to graphing one variable inequalities and simple linear equations. This course continues to emphasize the solving of simple word problems that involve ratios, percents, commission, simple interest, compound interest, profit, markup and markdown. This course also introduces simple second degree equations and the Pythagorean Theorem. The study of geometry is continued and expands to surface area and volume of right solids, pyramids, cones and spheres. English and Metric volume conversions are also studied.

High School Credits: .50

Satisfies a Requirement: Math

Prerequisite: MTH 015 (Minimum Grade: D)

Note: This course will meet one of the four-year math requirements if taken prior to Algebra 1. A student may not complete Algebra 1 or 2 or a higher math and then return to this course for graduation credit.

MTH 021 - Algebra 1A

This course continues and builds upon the basic algebra concepts taught in Pre-Algebra. This course extends to simplifying and evaluating variable expression, solving multi-step equations, literal equations, proportions, systems of linear equations, and percent problems. Operations with polynomials, differentiating between relations and functions, simple rational expressions, the distributive property, order of operations, radical expressions, operations with polynomials, and linear equations are also covered.

High School Credits: .50

Satisfies a Requirement: Math

MTH 022 - Algebra 1B

This course continues to build on the topics discussed in MTH021 and will expand to solving systems of linear equations, inequalities, absolute-value equations and inequalities, problems using the Pythagorean Theorem, radical equations, rational equations, and quadratic equations. Factoring, completing the square, the quadratic formula, simple probability, trigonometric ratios, permutations, and combinations are also covered. The function concept is continually emphasized.

High School Credits: .50

Satisfies a Requirement: Math

Prerequisite: MTH 021 (Minimum Grade: D)

MTH 033 - Algebra 2A

Reviews first-year algebra. Identify functions and use function notation. Solve and graph linear equations and inequalities. Extends to operations with polynomials, matrices, systems of equations, rational expressions, radical expressions, Pythagorean theorem, right triangle trigonometry, and fractional exponents. Solve quadratic equations by factoring and completing the square. Some probability and basic exponential functions.

High School Credits: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 021/022 (Minimum Grade: D)

Note: NMMI graduates must successfully pass one year of NMMI mathematics at the Algebra 2 level or above.

MTH 034 - Algebra 2B

Continues with the algebra skills necessary to do advanced mathematics. Advanced factoring in order to solve and simplify polynomial equations and expressions. Solve and graph equations and/or inequalities of several types including radical, trigonometric, logarithmic, rational, and exponential. Extends to the unit circle and radian measure along with the Law of Sines, the Law of Cosines, and using the Sum, Difference, Double-Angle, and Half-Angle Identities. Work with and identify conic sections. The function concept is continually discussed.

High School Credits: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 033 (Minimum Grade: D)

Note: NMMI graduates must successfully pass one year of NMMI mathematics at the Algebra 2 level or above.

MTH 037 - Geometry A

Covers geometric shapes and patterns with real life applications. Extends to inductive and deductive reasoning, including direct and indirect algebraic as well as geometric proofs. Geometric constructions and applications of geometry are introduced using construction tools as well as geometric construction software. This study of geometric blocks includes area, volume, congruence, similarity, the Pythagorean Theorem, and logic, with practical applications.

High School Credits: .50

Satisfies a Requirement: Math

Prerequisite: MTH 034 (Minimum Grade: D)

MTH 038 - Geometry B

Covers geometric forms and patterns with real life applications. Expands on inductive reasoning and proofs. Geometric constructions and applications of geometry are used in proving the mathematics of geometry. This study of geometric building blocks includes area, volume, congruence, similarity, Trigonometric identities, matrix operations, the Pythagorean Theorem, and logic, with practical applications.

High School Credits: .50

Satisfies a Requirement: Math

Prerequisite: MTH 037 (Minimum Grade: D)

MTH 043 - Pre-Calculus with Trigonometry and Geometry A

Continues the development begun in Algebra I and II. Extensive geometric concepts are studied, including column and flowchart proofs. Geometric constructions are covered. Fluency in solving quadratic, polynomial, rational, radical, exponential, and logarithmic equations is mastered. The concept of functions is reviewed and expanded. Radians and unit circle trigonometry are emphasized.

High School Credits: .50

Satisfies a Requirement: Math/Math Residency/Geometry

Prerequisite: MTH 034 (Minimum Grade: D)

MTH 044 - Pre-Calculus with Trigonometry and Geometry B

Extensive study of functions, especially their graphs, is covered. Heavy emphasis is given to all phases of trigonometry, including trigonometry equations, trigonometry identities, polar coordinates, and graphs of sinusoids. Other concepts covered include matrices, determinants, arithmetic series, geometric series, and conic sections. The use of a graphing calculator is highlighted.

High School Credits: .50

Satisfies a Requirement: Math/Math Residency/Geometry

Prerequisite: MTH 043 (Minimum Grade: D)

MTH 053 - Math Finance and Literacy

Students will understand their personal finance responsibilities by applying mathematics to learn the importance of money management, financial security, financial budgeting, debt or credit management, compounding interest, present value/future value computations, loans, mortgages, taxation, inflation, and risk management. Students will also learn how to maximize their earning potential, manage financial resources, organize personal finances, use a budget, understand and develop skills for using credit.

High School Credits: .50

Satisfies a Requirement: Math (Will not meet Math Residency Requirement)

Prerequisite: MTH 022 (Minimum Grade: D)

Note: This course may be used as a graduation requirement for either Mathematics or Practical Arts (but not communication). This course will not satisfy Math residency. College preparatory course.

MTH 061 - Calculus A

Covers limits and derivatives using symbolic, tabular, graphical, and verbal notations. Studies derivatives of algebraic, exponential, logarithmic, trigonometric, and inverse trigonometric functions. Utilizes the product, quotient, chain rules for derivatives as well as implicit differentiation. Considers applications of derivatives including related rates, optimization, curve sketching, velocity and acceleration, and function analysis (first derivative test, tests for concavity). Includes the mean value theorem and intermediate value theorem.

High School Credits: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 044 (Minimum Grade: D)

MTH 062 - Calculus B

Covers definite and indefinite integrals using symbolic, tabular, graphical and verbal notations. Definite integrals are introduced using Riemann sums and the trapezoidal rule. Integrals resulting in algebraic, exponential, logarithmic, trigonometric, and inverse trigonometric functions are mastered, including the use of substitution. Considers applications of integration including area, volume, average function value, and accumulation. Focus is given to the First and Second Fundamental Theorems of Calculus. Differential equations and slope fields are introduced.

High School Credits: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 061 (Minimum Grade: D)

MUS 011B - Band 6th Class

Band is a .50 credit per semester course that is designed to provide marching and concert band performance experience—as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in Middle School/JR High Band is strongly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

MUS 011J - Jazz Band 6th Class

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. Prior experience on selected instrument and music reading skills are generally required. This course is worth ¼ credit per semester. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

MUS 011L - Applied Music Lessons 6th Class

Applied Music Lessons is an elective course offering 1/4 credit hour for high school students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

MUS 011S - Concert Choir 6th Class

The Concert Choir is the primary large vocal ensemble at NMMI. It is an elective course offering 1/4 credit hour for high school students. Participation is open by audition and/or the director's permission to those

cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instruction Permission (Freshman Level)

Note: Affords opportunities to all students who are interested in singing and performing vocal music of numerous periods and styles.

MUS 011V – Vocal Ensemble 6th Class

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering .50 credit hour for high school students.

Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instruction Permission (Freshman Level)

MUS 012B - Band 6th Class

Band is a .50 credit per semester course that is designed to provide marching and concert band performance experience-as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in Middle School/JR High Band is strongly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

MUS 012J - Jazz Band 6th Class

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. Prior experience on selected instrument and music reading skills are generally required. This course is worth ¼ credit per semester. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

MUS 012L - Applied Music Lessons 6th Class

Applied Music Lessons is an elective course offering 1/4 credit hour for high school students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

MUS 012S - Concert Choir 6th Class

The Concert Choir is the primary large vocal ensemble at N.M.M.I. It is an elective course offering 1/4 credit hour for high school students.

Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

MUS 012V - Vocal Ensemble 6th Class

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering .50 credit hour for high school students.

Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

MUS 021B - Band 5th Class

Band is a .50 credit per semester course that is designed to provide marching and concert band performance experience-as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in Middle School/JR High Band is strongly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Sophomore Level)

MUS 021J - Jazz Band 5th Class

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. Prior experience on selected instrument and music reading skills are generally required. This course is worth ¼ credit per semester. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Practical Art

Prerequisite: Instructor Permission (Sophomore Level)

MUS 021L - Applied Lessons 5th

Applied Music Lessons is an elective course offering 1/4 credit hour for high school students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Sophomore Level)

MUS 021S - Concert Choir 5th Class

The Concert Choir is the primary large vocal ensemble at N.M.M.I. It is an elective course offering 1/4 credit hour for high school students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .25
Satisfies a Requirement: Fine/Practical Art
Prerequisite: Instructor Permission (Sophomore Level)

MUS 021V - Vocal Ensemble 5th Class

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering .50 credit hour for high school students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .50
Satisfies a Requirement: Fine/Practical Art
Prerequisite: Instructor Permission (Sophomore Level)

MUS 022B - Band 5th Class

Band is a .50 credit per semester course that is designed to provide marching and concert band performance experience-as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in Middle School/JR High Band is strongly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .50
Satisfies a Requirement: Fine/Practical Art
Prerequisite: Instructor Permission (Sophomore Level)

MUS 022J - Jazz Band 5th Class

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. Prior experience on selected instrument and music reading skills are generally required. This course is worth ¼ credit per semester. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .25
Satisfies a Requirement: Fine/Practical Art
Note: Instructor Permission (Sophomore Level)

MUS 022L - Applied Music Lessons 5th Class

Applied Music Lessons is an elective course offering 1/4 credit hour for high school students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .25
Satisfies a Requirement: Fine/Practical Art
Prerequisite: Instructor Permission (Sophomore Level)

MUS 022S - Concert Choir 5th Class

The Concert Choir is the primary large vocal ensemble at N.M.M.I. It is an elective course offering 1/4 credit hour for high school students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .25
Satisfies a Requirement: Fine/Practical Art
Prerequisite: Instructor Permission (Sophomore Level)

MUS 022V – Vocal Ensemble 5th Class

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering .50 credit hour for high school students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .50
Satisfies a Requirement: Fine/Practical Art
Prerequisite: Instructor Permission (Sophomore Level)

MUS 031 - Introduction to Music

Introduction to Music offers high school students the opportunity to explore the basic elements of vocal and instrumental music, composers, and literature, from antiquity to the present day. It is a one semester elective course that fulfills the fine arts requirement and is worth ½ credit. A background in music is not a prerequisite for this course as it will be directed toward the non-musician. Upon completion of this course, students will demonstrate a basic understanding of the role music has within our civilization, both regionally and globally, demonstrate proficiency through listening; and recognize how music can be used to express ideas and feelings.
High School Credits: .50
Satisfies a Requirement: Fine/Practical Art
Prerequisite: None, this course as it will be directed toward the non-musician.

MUS 031B - Band 4th Class

Band is a .50 credit per semester course that is designed to provide marching and concert band performance experience-as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in Middle School/JR High Band is strongly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .50
Satisfies a Requirement: Fine/Practical Art
Prerequisite: Instructor Permission (Junior Level)

MUS 031J - Jazz Band 4th Class

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. Prior experience on selected instrument and music reading skills are generally required. This course is worth ¼ credit per semester. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.
High School Credits: .25
Satisfies a Requirement: Fine/Practical Art
Note: Instructor Permission (Junior Level)

MUS 031L - Applied Music Lessons 4th Class

Applied Music Lessons is an elective course offering 1/4 credit hour for high school students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

MUS 031S - Concert Choir 4th Class

The Concert Choir is the primary large vocal ensemble at N.M.M.I. It is an elective course offering 1/4 credit hour for high school students.

Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

MUS 031V - Vocal Ensemble 4th Class

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering .50 credit hour for high school students.

Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

MUS 032B - Band 4th Class

Band is a .50 credit per semester course that is designed to provide marching and concert band performance experience-as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in Middle School/JR High Band is strongly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

MUS 032J - Jazz Band 4th Class

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. Prior experience on selected instrument and music reading skills are generally required. This course is worth ¼ credit per semester. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

MUS 032L - Applied Music Lessons 4th Class

Applied Music Lessons is an elective course offering 1/4 credit hour for high school students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

MUS 032S - Concert Choir 4th Class

The Concert Choir is the primary large vocal ensemble at N.M.M.I. It is an elective course offering 1/4 credit hour for high school students.

Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

MUS 032V - Vocal Ensemble 4th Class

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering .50 credit hour for high school students.

Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

MUS 041B - Band 3rd Class

Band is a .50 credit per semester course that is designed to provide marching and concert band performance experience-as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in Middle School/JR High Band is strongly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

MUS 041J - Jazz Band 3rd Class

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. Prior experience on selected instrument and music reading skills are generally required. This course is worth ¼ credit per semester. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

MUS 041L - Applied Music Lessons 3rd Class

Applied Music Lessons is an elective course offering 1/4 credit hour for high school students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

MUS 041S - Concert Choir 3rd Class

The Concert Choir is the primary large vocal ensemble at N.M.M.I. It is an elective course offering 1/4 credit hour for high school students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

MUS 041V - Vocal Ensemble 3rd Class

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering .50 credit hour for high school students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

MUS 042B - Band 3rd Class

Band is a .50 credit per semester course that is designed to provide marching and concert band performance experience—as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in Middle School/JR High Band is strongly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Seniors Only)

MUS 042J - Jazz Band 3rd Class

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. Prior experience on selected instrument and music reading skills are generally required. This course is worth ¼ credit per semester. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Seniors Only)

MUS 042L - Applied Music Lessons 3rd Class

Applied Music Lessons is an elective course offering 1/4 credit hour for high school students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Seniors Only)

MUS 042S - Concert Choir 3rd Class

The Concert Choir is the primary large vocal ensemble at N.M.M.I. It is an elective course offering 1/4 credit hour for high school students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

MUS 042V - Vocal Ensemble 3rd Class

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering .50 credit hour for high school students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

High School Credits: .50

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Class)

MUSC 199x - Music Independent Study

Independent study in music, work determined by syllabus coordinated between instructor and student. Syllabus must be approved by Department Head, Division and Academic Dean prior to start. Credit will vary from 1.0 to 3.0 hrs depending on syllabus.

Credit Hours: 1.0 to 3.0

Prerequisite: Permission of instructor and Dean.

MUSC 1011 - Band I

Band is a college course that is designed to provide marching and concert band performance experience—as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in High School Band or equivalent ensemble is a desired prerequisite for this ensemble. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1021 - Band I

Band is a college course that is designed to provide marching and concert band performance experience—as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in High School

Band or equivalent ensemble is a desired prerequisite for this ensemble. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1031 - Jazz Band I

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. High School Jazz Band participation is highly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Prerequisite: Audition or invitation of Bandmaster.

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1041 - Jazz Band I

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. High School Jazz Band participation is highly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Prerequisite: Audition or invitation.

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1051 – Concert Choir. I

The Concert Choir is the primary large vocal ensemble at N.M.M.I. It is an elective course for college students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1061 - Concert Choir. I

The Concert Choir is the primary large vocal ensemble at NMMI. It is an elective course for college students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1111 - Applied Music Lessons I

Applied Music Lessons is an elective course offering one-hour credit for jr. college students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1121 - Applied Music Lessons I

Applied Music Lessons is an elective course offering one-hour credit for jr. college students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1131 - Vocal Ensemble I

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering one credit hour for jr. college students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Prerequisite: Admission by audition or invitation of Choral Director.

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1140 - Music Appreciation: World Music

This course explores the ideas of music in society and its cultural relevance and is designed to increase the students' appreciation of music as well as to enhance their listening skills. Students are introduced to various periods, styles, and composers of music and become acquainted with knowledge and appreciation of World music from various cultures and times.

Credit Hours: 3.0

Satisfies a Requirement: Creative & Fine Arts

Note: No previous training in music is required.

MUSC 1141 - Vocal Ensemble

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering one credit hour for jr. college students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Prerequisite: Admission by audition or invitation of Choral Director.

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 1170 – Vocal Ensemble I

Small choral group (pop, rock, country), specializing in contemporary music. Audition required in fall. Students will have a performance obligation for fall, spring and summer (through end of July).

Credit Hours: 1.0 - NM General Education: Area VI – Creative & Fine Arts

Satisfies a Requirement: Creative & Fine Arts

MUSC 1403 - Fundamentals of Music Theory

Fundamentals of Music Theory, is an introductory level course designed for the college student with a pronounced interest in music. It is an elective or humanities course worth three credit hours toward graduation requirements. Prior training and/or experience in music is required for this course. Studies include music notation, scales, intervals, chord structure, basic composition, basic listening skills development and basic piano skills development. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through listening; and recognize how music can be used to express ideas and feelings.

Credit Hours: 3.0

Satisfies a Requirement: Creative & Fine Arts

Note: Previous training in music is required.

MUSC 1997 – Independent Study – Music

Music course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

MUSC 2011 - Band II

Band is a college course that is designed to provide marching and concert band performance experience—as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in High School Band or equivalent ensemble is a desired prerequisite for this ensemble. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2021 - Band II

Band is a college course that is designed to provide marching and concert band performance experience—as well as provide musical support for the Corps of Cadets throughout the academic year. Participation in High School Band or equivalent ensemble is a desired prerequisite for this ensemble. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2031 – Jazz Band II

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. High School Jazz Band participation is highly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2041 - Jazz Band II

Jazz Band affords opportunities to all qualified students who are interested in jazz, popular, and "Big Band" music. This is a select ensemble and admission is gained by audition or invitation of the Bandmaster. High School Jazz Band participation is highly recommended. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through instrumental performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Prerequisite: Audition or invitation.

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2051 - Concert Choir II

The Concert Choir is the primary large vocal ensemble at NMMI. It is an elective course for college students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2061 - Concert Choir II

The Concert Choir is the primary large vocal ensemble at NMMI. It is an elective course for college students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a high level of musicianship in a choral performance setting. The entry levels for the course are intermediate pitch recognition, intermediate melodic reiteration, and basic music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2111 - Applied Music Lessons II

Applied Music Lessons is an elective course offering one-hour credit for jr. college students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.

Credit Hours: 1.0

Satisfies a Requirement: Creative & Fine Arts

Prerequisite: Permission of instructor.

Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2121 - Applied Music Lessons II

Applied Music Lessons is an elective course offering one-hour credit for jr. college students wishing to acquire private instruction on various instruments and voice. This course is designed for the student with a very serious interest in the continued development of individual performance

skills. Participation is open by Music Department Chair permission to those cadets wishing to develop a high level of musicianship in an individual performance setting. The entry level for the course is past general music experience. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through performance; and recognize how music can be used to express ideas and feelings.
Credit Hours: 1.0
Satisfies a Requirement: Creative & Fine Arts
Prerequisite: Permission of instructor.
Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2131 - Vocal Ensemble II

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering one credit hour for junior college students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.
Credit Hours: 1.0
Satisfies a Requirement: Creative & Fine Arts
Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

MUSC 2141 - Vocal Ensemble II

The Vocal Ensemble is the primary small vocal ensemble at N.M.M.I. It is an elective course offering one credit hour for jr. college students. Participation is open by audition and/or the director's permission to those cadets wishing to develop and display a superior level of musicianship in a choral performance setting. The entry levels for the course are advanced pitch recognition, advanced melodic reiteration, and intermediate music reading skills. Upon completion of this course, students will demonstrate a knowledge base for music; demonstrate proficiency through vocal performance; and recognize how music can be used to express ideas and feelings.
Credit Hours: 1.0
Satisfies a Requirement: Creative & Fine Arts
Note: A maximum of eight (8) semester credit hours of ensemble courses (band, choir, etc.) may be applied toward A.A. or A.S. Degree requirements.

PHE 015 - Lifetime Sports

Introduces high school cadets to many individual sports with lifetime carryover value.
High School Credits: .25
Satisfies a Requirement: Physical Education
Note: Pre-requisite course for sports activity courses.

PHE 020 - Health and Fitness

Addresses the development of a healthy life-style through physical fitness exercises and the study of such important topics as: decision making, First Aid, circulatory system, sense organs, personal hygiene, personality development, stress management, abuse and dependency, chemical substance abuse (alcohol drugs and tobacco), sexually transmitted diseases and other pertinent topics.
High School Credits: .25
Satisfies a Requirement: Physical Education
Note: Required course for graduation

PHE 023 – Swimming

Introduces high school cadets to this individual sport with lifetime carry-over value.
High School Credits: .25
Satisfies a Requirement: Physical Education

PHE 031 – Bowling

Introduces high school cadets to this individual sport with lifetime carry-over value.
High School Credits: .25
Satisfies a Requirement: Physical Education

PHE 036 – Strength and Conditioning

Introduces high school cadets to many individual sport with lifetime carry-over value.
High School Credits: .25
Satisfies a Requirement: Physical Education

PHE 037 – Golf

Introduces high school cadets to this individual sport with lifetime carry-over value.
High School Credits: .25
Satisfies a Requirement: Physical Education

PHE 040 – Racquet Sports

Introduces high school cadets to this individual sport with lifetime carry-over value.
High School Credits: .25
Satisfies a Requirement: Physical Education

PHE 046 – Adventures in Physical Education 1A

Using an experiential approach to education, students are provided an opportunity to practice essential life skills by developing social and psychomotor skills in order to increase personal and team performance through teambuilding, cooperative games, and challenge courses activities. Students will develop the "attitudes and behaviors to aspects of personal leadership, including followership, in a variety of physically challenging environments." Basic knowledge, movement, and psychomotor skills are developed through demonstration and practice "to accomplish tasks using the fundamental principles of teamwork." Completion of the class can potentially lead to certification as a challenge course facilitator. Enrollment is limited.
High School Credits: .25
Satisfies a Requirement: Physical Education
Prerequisite: Student should have completed on term of PHE 015 (Minimum Grade: D) and one term of PHE 020 (Minimum Grade: D)

PHE 047 – Adventures in Physical Education 1B

Using an experiential approach to education students are provided an opportunity to practice essential life skills by developing social and psychomotor skills in order to increase personal and team performance through teambuilding, cooperative games, and challenge courses activities. Students will develop the "ability to plan, create, and execute wide ranging activities, for individuals and groups, in physically challenging environments." Basic knowledge, movement, and psychomotor skills are developed through demonstration and practice "to motivate a group of individuals toward a collective outcome." Completion of the class can potentially lead to certification as a challenge course facilitator. Enrollment is limited.
High School Credits: .25
Satisfies a Requirement: Physical Education
Prerequisite: Student should have completed on term of PHE 015 (Minimum Grade: D) and one term of PHE 020 (Minimum Grade: D)

PHE 048 – Tennis

Introduces high school cadets to this individual sport with lifetime carry-over value.
High School Credits: .25
Satisfies a Requirement: Physical Education

PHEA 1051 - Strength and Conditioning I

These courses are designed to provide a technical basis for developing the skills and strategies that provide a life long participation in the specified sport or activity.
Credit Hours: 1.0
Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1121 - Golf

These courses are designed to provide a technical basis for developing the skills and strategies that provide a life long participation in the specified sport or activity.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1131 - Service Academy Preparation Physical Training

Specialized physical fitness class.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1141 - Service Academy Preparation Physical Training II

Specialized physical fitness class.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1151 - Bowling

These courses are designed to provide a technical basis for developing the skills and strategies that provide a life long participation in the specified sport or activity.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1171 - Tennis

These courses are designed to provide a technical basis for developing the skills and strategies that provide a life long participation in the specified sport or activity.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1211 - Swimming

These courses are designed to provide a technical basis for developing the skills and strategies that provide a life long participation in the specified sport or activity.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA). Sea service preps (USCGA, USMMA, USNA) generally will take this course one semester at NMMI.

PHEA 1251 - Advanced Swimming/Life Guarding

Stresses individual sports with carry-over value for a lifetime. Advanced swimming and life guarding

Credit Hours: 1.0 - Area:

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1351 - Fencing

These courses are designed to provide a technical basis for developing the skills and strategies that provide a life long participation in the specified sport or activity.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511B - Varsity Sport Baseball

Varsity sport baseball, must be on the college baseball team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511F - Varsity Sport Football

Varsity sport, plays on college football team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511G - Varsity Sport Golf

Varsity sport golf, plays on college golf team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511K - Varsity Sport Basketball

Varsity sport basketball, student plays on the college basketball team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511R - Varsity Sport Womens Track

Womens Varsity Track student is on the track team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511T - Varsity Sport Tennis

Varsity sport mens' tennis team, student is a player on the team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511TW - Varsity Sport Womens Tennis

Varsity Sport Womens Tennis, student is a player on the tennis team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511V - Varsity Sport Volleyball

Varsity sport volleyball, student is a player on the college volleyball team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 1511X - Varsity Sport Cross-Country

Varsity sport cross-country track, student is a member of the cross country team.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHEA 2051 - Strength and Conditioning I

Advanced strength and conditioning class using weights and/or weight machines.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

PHIL 1115 - Introduction to Philosophy

In this course, students will be introduced to some of the key questions of philosophy through the study of classical and contemporary thinkers. Some of the questions students might consider are: Do we have free will? What is knowledge? What is the mind? What are our moral obligations to others? Students will engage with and learn to critically assess various philosophical approaches to such questions.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

PHIL 1120 – Logic, Reasoning, and Critical Thinking

The purpose of this course is to teach students how to analyze, critique, and construct arguments. The course includes an introductory survey of important logical concepts and tools needed for argument analysis. These

concepts and tools will be used to examine select philosophical and scholarly texts.

Credit Hours: 3.0 - NM General Education: Area V – Humanities
Satisfies a Requirement: Humanities

PHIL 1997 – Independent Study – Philosophy

Philosophy course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

PHIL 2110 – Introduction to Ethics

This course introduces students to the philosophical study of morality and will explore questions concerning our human obligations to others and related issues. Students may be asked to relate various approaches to ethics to present-day ethical debates and their own lives.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

PHIL 2125 – Comparative World Religions

A comparative exploration of major world religions, including Islam, Taoism, Hinduism, Buddhism, Confucianism, Judaism, Christianity, Native-American, and Zen traditions. Emphasis is placed on the historical and philosophical contexts of these religions and on their common and diverse values, theories of reality, knowledge, and beauty.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

PHIL 2210 – Early Modern Philosophy

This course is an introductory survey of early modern Western philosophy.

Through an in-depth reading of primary source material, this course will examine the traditions of Rationalism and Empiricism that emerged during the seventeenth and eighteenth centuries. Concepts to be discussed might include theories of knowledge and metaphysics, early modern scientific thought, and theories of the self.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

PHIL 2220 – Greek Philosophy

This course is an introductory survey of early and classical Greek philosophy.

The course will include discussion of such philosophers as the Pre-Socratics, the Sophists, Socrates, Plato and Aristotle. Topics to be discussed may include the beginnings of scientific thought, theories of the self, the concept of being, virtue ethics, happiness, and theories of justice.

Credit Hours: 3.0 - NM General Education: Area V – Humanities

Satisfies a Requirement: Humanities

PHSC 1120 – Forensic Science I

An introduction to forensic science, emphasizing the multi-disciplinary approach required to document, understand, and solve forensic problems.

Topics for this course include those on general science and applying scientific methods to answer questions of interest to the legal system. Case studies will be used to illustrate how science was used to solve crimes.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

PHSC 1120L – Forensic Science I Lab

Covers the instrumental and scientific analysis of physical evidence. Specific techniques include chromatography, serology, refractive indexing, fiber analysis, drug analysis, spectrophotometry, gas chromatography mass spectrometry, and inorganic analysis (atomic absorption). Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required.

PHY 031 – Physics A

Physics is the study of the physical world, from motion and energy to light and electricity. This semester will cover mechanics which includes motion, momentum, torque and energy. Mathematics is the language of physics and

therefore, a strong math background is essential to having success in this course.

High School Credits: .50

Satisfies a Requirement: Lab Science

Prerequisite: MTH 033-034 (Minimum Grade: D). Concurrent enrollment in MTH 043-44, 047-048 or 061-062 recommended.

Note: Lab fee required. College preparatory course.

PHY 032 – Physics B

Physics is the study of the physical world, from motion and energy to light and electricity. This semester will focus on waves, sound, light, thermodynamics and electricity. Mathematics is the language of physics and therefore, a strong math background is essential to having success in this course.

High School Credits: .50

Satisfies a Requirement: Lab Science

Prerequisite: MTH 033-034 (Minimum Grade: D) and PHY 031 (Minimum Grade: D). Concurrent enrollment in MTH 043-44, 047-048 or 061-062 recommended.

Note: Lab fee required. College preparatory course.

PHYS 1112 - Introductory Physics for Health Sciences

Algebra-level introduction to topics required for the Health Sciences including basic mechanics (including sound, mechanical waves and fluids), heat and thermodynamics, electricity and magnetism, optics and electromagnetic waves, atomic and nuclear physics and applications to medical imaging. Restricted to Community Colleges campuses only.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

PHYS 1112L - Introductory Physics for Health Sciences Laboratory

A series of laboratory experiments associated with the material presented in PHYS 1112.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Concurrent enrollment in PHYS 1112 is required.

PHYS 1121 – Introduction to Applied Physics

This course is designed to introduce the concepts of physics focusing on kinematics, Newton's law, and mechanical energy at a slower pace. Students who have difficulty with general problem-solving should take this course before Algebra-based Physics. The course will teach and give improved insight into mechanical phenomena of the physical world and show the role that mechanics plays in many facets of our life. Students will gain an appreciation of those physicists and mathematicians who made significant contributions to our current understanding of the world as it exists today.

Credit Hours: 4.0 - NM General Education: Area III – Science

Satisfies a Requirement: A.A. Laboratory Science

Note: Does not count as a lab science towards A.S. graduation

PHYS 1121L – Introduction to Applied Physics Laboratory

A series of laboratory experiments associated with the material presented in PHYS 1121.

Credit Hours: 0.0 - NM General Education: Area III – Science

Satisfies a Requirement: A.A. Laboratory Science

Note: Lab fee required. Concurrent enrollment in PHYS 1121 is required.

PHYS 1230 - Algebra-Based Physics I

An algebra-based treatment of Newtonian mechanics. Topics include kinematics and dynamics in one and two dimensions, conservation of energy and momentum, rotational motion, equilibrium, and fluids.

Credit Hours: 4.0 - NM General Education: Area III – Science

Satisfies a Requirement: Laboratory Science

Prerequisite: MATH 1220 (Minimum Grade: C) or higher math or show proficiency of math by qualifying for Pre-Calculus through the NMMI college Math Placement Exam (MPE). Concurrent enrollment in MATH 1220 is allowed.

PHYS 1230L - Algebra-Based Physics I Laboratory

A series of laboratory experiments associated with the material presented in PHYS 1230. Pre- or co-requisite: PHYS 1230 Algebra-based Physics I
Credit Hours: 0.0 - NM General Education: Area III – Science
Satisfies a Requirement: Laboratory Science
Note: Lab fee required. Concurrent enrollment in PHYS 1230 is required.

PHYS 1240 - Algebra-Based Physics II
The second half of a two semester algebra-based introduction to Physics. This course covers electricity, magnetism and optics.
Credit Hours: 4.0 - NM General Education: Area III – Science
Satisfies a Requirement: Laboratory Science
Prerequisite: PHYS 1230 (Minimum Grade: D)

PHYS 1240L - Algebra-Based Physics II Laboratory
A series of laboratory experiments associated with the material presented in PHYS 1240. Pre- or co-requisite: PHYS 1240 Algebra-based Physics II.
Credit Hours: 0.0 - NM General Education: Area III – Science
Note: Lab fee required. Concurrent enrollment in PHYS 1240 is required.

PHYS 1310 – Calculus-based Physics I
A calculus level treatment of classical mechanics and waves, which is concerned with the physical motion concepts, forces, energy concepts, momentum, rotational motion, angular momentum, gravity, and static equilibrium.
Credit Hours: 5.0 - NM General Education: Area III – Science
Satisfies a Requirement: Laboratory Science
Prerequisite: MATH 1510 (Minimum Grade: D) and Calculus II (Minimum Grade: D). Concurrent enrollment in MATH 1520 is allowed.

PHYS 1310L – Calculus-based Physics I Laboratory
A series of laboratory experiments associated with the material presented in Calculus-based Physics I. Students will apply the principles and concepts highlighting the main objectives covered in coursework for Calculus-based Physics I.
Credit Hours: 0.0 - NM General Education: Area III – Science
Satisfies a Requirement: Laboratory Science
Note: Lab fee required. Concurrent enrollment in PHYS 1310 is required.

PHYS 1320 – Calculus-based Physics II
A calculus level treatment of classical electricity and magnetism. It is strongly recommended that this course is taken at the same time as Calculus-based Physics II laboratory.
Credit Hours: 5.0
Satisfies a Requirement: Laboratory Science
Prerequisite: PHYS 1310 (Minimum Grade: D) and MATH 1520 (Minimum Grade: D)

PHYS 1320L – Calculus-based Physics II Laboratory
A series of Laboratory experiments associated with the material presented in Calculus-Based Physics II. Students will apply the principles and concepts highlighting the main objectives covered in coursework for Calculus-Based Physics II.
Credit hours: 0.0 – Area: III
Satisfies a Requirement: Laboratory Science
Note: Lab fee required. Concurrent enrollment in PHYS 1320 is required.

PHYS 1997 – Independent Study – Physics
Physics course reserved for those wishing to study material not otherwise offered. Instructor permission required.
Credit Hours: TBD
Prerequisite: Instructor permission required

PHYS 2223 - Engineering Statics
Vector Algebra and Coordinate Representations, Systems in Equilibrium, Moment of Force and Equivalence Force systems, Equilibrium of Rigid Bodies, Truss analysis, Centroids and Distributed Force Systems, Internal Forces, Friction Forces, and Moments of Inertia.
Credit Hours: 3.0 - Area:
Prerequisite: MATH 1520 (Minimum Grade: D) or instructor permission.

POLS 1110 - Introduction to Political Science
This course covers fundamental concepts in political science, such as political theories, ideologies, and government systems.
Credit Hours: 3.0 - NM General Education: Area IV– Social & Behavioral Sciences
Satisfies a Requirement: Social & Behavioral Sciences

POLS 1120 - American National Government
This course explains the role of American national government, its formation and principles of the Constitution; relation of state to the national government; political parties and their relationship to interest groups. This course also explains the structure of the legislative, executive, and judicial branches.
Credit Hours: 3.0 - NM General Education: Area IV– Social & Behavioral Sciences
Satisfies a Requirement: Social & Behavioral Sciences

PHYS 1997 – Independent Study – Political Science
Political Science course reserved for those wishing to study material not otherwise offered. Instructor permission required.
Credit Hours: TBD
Prerequisite: Instructor permission required

POLS 2110 - Comparative Politics
This course introduces comparative politics by examining the political history, social and economic structures, and contemporary political institutions and behavior, with focus on occurrences in countries representing diverse cultures, geographies, and levels of development.
Credit Hours: 3.0 - NM General Education: Area IV– Social & Behavioral Sciences
Satisfies a Requirement: Social & Behavioral Sciences

POLS 2120 - International Relations
This course covers the analysis of significant factors in world politics, including nationalism, national interest, political economy, ideology, international conflict and collaboration, balance of power, deterrence, international law, and international organization.
Credit Hours: 3.0 - NM General Education: Area IV– Social & Behavioral Sciences
Satisfies a Requirement: Social & Behavioral Sciences

POLS 2160 - State and Local Government
This class is an introductory course designed to familiarize students with the institutions, politics, and policies of state and local governments in the United States. An underlying assumption of this course is that states and localities are the center of a stable and viable democracy. As such, a major objective of the course is the empowerment of each student through knowledge; that is, to provide students with the understanding, analytical and political skills, and motivation to become an active and knowledgeable part of state and local government and politics. The problems addressed at the state and local levels are usually highly contentious and controversial because they hit people close to their homes. Through this class, students will learn how to become effective solvers of those problems.
Credit Hours: 3.0 - NM General Education: Area IV– Social & Behavioral Sciences
Satisfies a Requirement: Social & Behavioral Sciences
Note: New Mexico State Government as the applied example.

POR 011 – Portuguese 1A
Designed for students with no previous exposure to Portuguese, this course develops basic listening, speaking, reading, and writing skills. This is an introductory course aimed at teaching the student to communicate in Portuguese in everyday situations.
High School Credits: .50
Satisfies a Requirement: Modern Language

POR 012 – Portuguese 1B

A continuation of Portuguese 1A, students will develop a broader foundation in skills gained during the first semester, including understanding, speaking, reading and writing Portuguese. Students will also gain more in-depth knowledge of Portuguese-speaking cultures.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: POR 011 (Minimum Grade: D) or instructor permission

PSYC 1110 - Introduction to Psychology

This course will introduce students to the concepts, theories, significant findings, methodologies, and terminology that apply to the field of psychology.

Credit Hours: 3.0 - NM General Education: Area IV– Social & Behavioral Sciences

Satisfies a Requirement: Social & Behavioral Sciences

PSYC 2120 - Developmental Psychology

Study of human physical and psychological change and stability from a lifespan development perspective.

Credit Hours: 3.0

Prerequisite: PSYC 1110 (Minimum Grade: D)

Note: Does not meet a Social & Behavioral Sciences requirement

RDG 053 - Reading/Study Skills

Required for students whose placement test scores fall below two grade levels. Course is one or two semesters, depending on progress, with emphasis on basic reading skills and study methods.

High School Credits: .25

RDG 054 - Reading/Study Skills

Required for students whose placement test scores fall below two grade levels. Course is one or two semesters, depending on progress, with emphasis on basic reading skills and study methods.

High School Credits: .25

SAC 003 - Third Class Seminar

Intensive, regular seminars focus on obtaining and completing college applications, registering for standardized testing, constructing the personal essay, obtaining teacher recommendations, and finding sources for financial aid, whether through national sources or the individual colleges/universities.

High School Credits: .00

SAC 004 - Fourth Class Seminar

In 4th class seminar: begin college-planning process. In small groups and in individual sessions help the cadet to better identify his/her vocational needs, interest and possible choices for majors.

Through instructional seminars for DISCOVER other search software and orientation to the Career Lab, familiarize the cadets with the various processes of exploration and college and career choice. The end results of these investigations are to enable the cadet to generally identify career areas in which s/he has an interest, the appropriate related major(s), and a list of 15-20 colleges in which the cadet has an interest.

High School Credits: .00

Note: Testing fee required

SAC 005 - Fifth Class Seminar

Fifth class, educational expectations are guided by PLAN testing and GPA, thus forming foundation short and long term goals.

High School Credits: .00

Note: Testing fee required

SAC 006 - Sixth Class Seminar

In the sixth class year, counselors introduce cadets to time management, study skills, goal-setting and interest inventories; these skills are reinforced in the guidance curriculum through high school.

High School Credits: .00

Note: Testing fee required

SOCI 1110 - Introduction to Sociology

This course will introduce students to the basic concepts and theories of sociology, as well as to the methods utilized in sociological research. The course will address how sociological concepts and theories can be utilized to analyze and interpret our social world, and how profoundly our society and the groups to which students belong influence them. Students will be given the opportunity to challenge their "taken for granted" or "common sense" understandings about society, social institutions, and social issues. Special attention will also be paid to the intimate connections between their personal lives and the larger structural features of social life. In addition, the implications of social inequalities, such as race/ethnicity, gender, and social class will be central to the course's examination of social life in the United States.

Credit Hours: 3.0 - NM General Education: Area IV– Social & Behavioral Sciences

Satisfies a Requirement: Social & Behavioral Sciences

SPAN 1110 - Spanish I

Designed for students with little exposure to Spanish, this course develops basic listening, speaking, reading, and writing skills and basic intercultural competence in interpretive, interpersonal and presentational modes of communication at the Novice Level of proficiency based on ACTFL guidelines. During this course, students perform better and stronger in the Novice-Mid level while some abilities emerge in the Novice High range. This is an introductory course aimed at helping the student to communicate in Spanish in everyday familiar situations via recognition and production of practiced or memorized words, phrases, and simple sentences.

Credit Hours: 3.0 - NM General Education: Area V– Humanities

Satisfies a Requirement: Humanities

Prerequisite: Not open to native speakers of Spanish or students who completed high school Spanish.

SPAN 1120 - Spanish II

Designed for students with some degree of exposure to Spanish in high school and/or at home, this course continues to develop basic listening, speaking, reading, and writing skills and basic intercultural competence in interpretive, interpersonal and presentational modes of communication based at the Novice High Level of proficiency based on ACTFL guidelines, although a few abilities may emerge in the Intermediate Low Level. Students in this course communicate in Spanish in familiar topics using a variety of words, phrases, simple sentences and questions that have been highly practiced and memorized.

Credit Hours: 3.0 - NM General Education: Area V– Humanities

Satisfies a Requirement: Humanities

Prerequisite: SPAN 1110 (Minimum Grade: D) or permission of the instructor

SPAN 1806 - Accelerated Beginning Spanish

Accelerated Beginning Spanish is the first year Spanish language course for students who have no background in Spanish and covers all of the material for first-year Spanish in one semester. This course fulfills the Humanities graduation requirement. Beginning Spanish introduces basic vocabulary and grammar topics. Students are expected to begin developing communicative competency in the four language skills of listening, speaking, reading and writing. Vocabulary units cover words used to describe everyday surroundings and actions. Grammar topics include present and past tense verbs, beginning Spanish sentence structure, including noun-adjective agreement. Students should be able to communicate at a beginning level using the basic vocabulary and grammar covered in class and should be able to understand and produce short paragraph-length passages. Cultural topics include the names, locations and flags of Spanish-speaking countries as well as cultural norms involving vocabulary such as greetings, clothing items and holidays. Additionally, students will gain insight into the language-learning process and the importance of possessing accurate cultural background information about the native speakers of other languages. There are no prerequisites for this course. Students with prior Spanish knowledge or experience should consult with the instructor for proper placement.

Credit Hours: 6.0

Satisfies a Requirement: Humanities

SPAN 1997 – Independent Study – Spanish

Spanish language course reserved for those wishing to study material not otherwise offered. Instructor permission required.

Credit Hours: TBD

Prerequisite: Instructor permission required

SPAN 2110 - Spanish III

This course is based on the integration of learning outcomes across Interpersonal, Interpretive, and Presentational Modes of Communication at the Intermediate Low Level of proficiency based on ACTFL guidelines. Students accomplish real-world communicative tasks in culturally appropriate ways as they gain familiarity with the target culture(s). This is an intermediate course aimed at helping the student to communicate in Spanish on familiar topics about self, others and everyday life at the same time that they recognize and handle short social interactions in interactions in everyday situations by asking and answering a variety of questions.

Credit Hours: 3.0 - NM General Education: Area V– Humanities

Satisfies a Requirement: Humanities

Prerequisite: SPAN 1120 (Minimum Grade: D) or permission of the instructor

SPAN 2120 - Spanish IV

This course is based on the integration of learning outcomes across Interpersonal, Interpretive, and Presentational Modes of Communication at the Intermediate High Level of proficiency based on ACTFL guidelines. Students accomplish real-world communicative tasks in culturally appropriate ways as they gain familiarity with the target culture(s). This is an intermediate course aimed at helping the student to communicate in Spanish on familiar topics about self, others and everyday life at the same time that they recognize and handle short social interactions in interactions in everyday situations by asking and answering a variety of questions.

Credit Hours: 3.0 - NM General Education: Area V– Humanities

Satisfies a Requirement: Humanities

Prerequisite: SPAN 2110 (Minimum Grade: D) or permission of the instructor

SPAN 2515 – Contemporary Latino Film

This course explores the Latina/Hispanic culture of Spain, Latin America, and the United States as depicted in documentary and popular entertainment films. A discussion of each film is held prior to and after viewing.

Credit Hours: 3.0 - NM General Education: Area V– Humanities

Prerequisite: SPAN 2120 (Minimum Grade: D) or instructor permission

SPAN 2806 - Accelerated Intermediate Spanish

Accelerated Intermediate Spanish is the Second year Spanish language course for students who had no background in Spanish and who completed the first-year sequence. It covers all of the material for second-year Spanish in one semester. This course fulfills the Humanities graduation requirement. Intermediate Spanish continues the introduction of basic vocabulary and grammar topics. Students are expected to continue developing communicative competency in the four language skills of listening, speaking, reading and writing. Vocabulary units cover words used to describe everyday surroundings and actions. Grammar topics include the subjunctive mood, compound verb forms, and object pronouns. Students should be able to communicate at an intermediate level using the basic vocabulary and grammar covered in class and should be able to understand and produce multi paragraph length passages or longer. Cultural topics include the history of Spanish-speaking countries as well as cultural norms involving vocabulary. Additionally, students will continue to gain insight into the language-learning process and the importance of possessing accurate cultural background information about the native speakers of other languages. Students with additional prior Spanish knowledge or experience, such as heritage speakers should consult with the instructor for proper placement.

Credit Hours: 3.0

Satisfies a Requirement: Humanities

Prerequisite: SPAN 1120 (Minimum Grade: D) or SPAN 1806 (Minimum Grade: D)

SPMD 1310 – Introduction to Kinesiology

Introduction to Kinesiology, is a course designed to introduce the student to the field of Kinesiology. Areas explored and covered include Exercise Physiology, Sport and Exercise Psychology, Motor Behavior, Biomechanics,

Strength and Conditioning, and Exercise Prescription. Additional focus will be on the Academic processes related to professional and graduate programs to and including Physical Therapy and Athletic Training. The course is comparable to like-named courses offered at 4-year institutions throughout the country. The interdisciplinary approach will provide the student with a clearer understanding of the ways in which the scientific process can inform human efforts. This 3.0 credit hour course consists of three hours of lecture. The course will prepare students for additional coursework in varied areas of the Exercise Physiology, Human Anatomy and Physiology and related sciences and should be acceptable for transfer credit to any 4-year institution offering degree programs in the areas mentioned above. Grades will be determined from lecture exams, special assignments, and a comprehensive final exam. The course may be taken by science majors or non-majors.

Credit Hours: 3.0

SPMD 1350 – Social Foundations of Physical Activity

Historical and cultural foundations and vocational, scientific, and educational data on careers in health education, physical education, and recreation.

Credit Hours: 3.0

Prerequisite: SPMD 1310 (Minimum Grade: D)

SPMD 2250 – Fitness for Health and Sport

A study of the fitness needs for health enhancement and sport participation.

Credit Hours: 3.0

Prerequisite: SPMD 1310 (Minimum Grade: D)

SPMD 2335 – Performance Psychology

This course entails a collective examination of social and psychological factors pertaining to participation in sport and exercise. Mental Training for Peak Performance is designed as a vehicle to provide you with a working knowledge of applied sport/performance psychology in order to help you develop and implement an effective mental skills training (MST) program that will help you more fully reach your performance potential in your endeavors. This is a hands-on course oriented towards helping you develop the psychological skills necessary to "become the best performer you can be."

Credit Hours: 3.0

SPN 011 - Spanish 1A

Spanish 1A, is a beginning level college preparatory class for students with no background in Spanish. Students will develop beginning proficiency in the four skills of listening, speaking, reading and writing of Spanish and will be acquainted with the basic culture and geography of Spanish-speaking countries. There are no prerequisites. This course covers infinitives, negative statements, adjectives, articles, word order, subject pronouns, plurals and present tense verb conjugation. Students will build up knowledge of Spanish vocabulary that can be used in communicative situations pertaining to the cultural and linguistic themes of the units covered in the class.

High School Credits: .50

Satisfies a Requirement: Modern Language

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

SPN 012 – Spanish 1B

Spanish 1B, is a beginning level college preparatory class for students with little background in Spanish. Students will continue to develop beginning proficiency in the four skills of listening, speaking, reading and writing of Spanish and will continue to become acquainted with the basic culture and geography of Spanish-speaking countries. The prerequisite is completion of SPN 011 with a grade of D or better. This course covers possessive adjectives, ser/estar usage, comparisons and superlatives, stem-changing verbs, affirmative tú commands, the present progressive tense, demonstrative adjectives, preterite conjugation, direct and indirect object pronouns, and the personal a. Students will build up a knowledge of Spanish vocabulary that can be used in communicative situations pertaining to the cultural and linguistic themes of the units covered in the class.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: SPN 011 (Minimum Grade: D) or instructor/department permission

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

SPN 012A – Advanced Spanish 1B

This is a one-semester accelerated Spanish course. This course is designed for students who have completed SPN 011 at NMMI and demonstrated rapid language acquisition and gained more than a basic foundation of Spanish vocabulary and grammar. The covers the content of SPN 012, SPN 021, and SPN 022. Successful completion of the course permits continuation into SPN 031. In order to help students develop their communicative competence in the four basic skills, the 5 C'S (Communication, Cultures, Comparisons, Connections, and Communities) will be integrated consistently into the content and exercises in the course.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: SPN 011 (Minimum Grade: D) and instructor/department permission

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

SPN 021 - Spanish 2A

Spanish 2A, is an intermediate level college preparatory class for students with two semesters of background in Spanish. Students will develop intermediate proficiency in the four skills of listening, speaking, reading and writing of Spanish and will be acquainted with the basic culture and geography of Spanish-speaking countries. The prerequisite is completion of SPN 012 with a grade of D or better. This course covers stem-changing verbs, affirmative and negative words, making comparisons, reflexive verbs, possessive and demonstrative adjectives, irregular preterite and present progressive forms, the imperfect tense, describing a situation, and reciprocal actions, as well as review of grammar from first year Spanish. Students will build up a knowledge of Spanish vocabulary that can be used in communicative situations pertaining to the cultural and linguistic themes of the units covered in the class.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: Spanish 012 (Minimum Grade: D) or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

SPN 022 - Spanish 2B

Spanish 2B, is an intermediate level college preparatory class for students with three semesters of background in Spanish. Students will develop intermediate proficiency in the four skills of listening, speaking, reading and writing of Spanish and will be acquainted with the basic culture and geography of Spanish-speaking countries. The prerequisite is completion of SPN 021 with a grade of D or better. This course covers the imperfect tense irregulars, irregular preterites, the imperfect progressive, -ir verb stem-changing, reflexive verbs, the present perfect, negative tú commands, the impersonal se, formal commands, uses of por, the present subjunctive; irregular subjunctives, the subjunctive with impersonal expressions, and the present subjunctive of stem-changing verbs, as well as reviews of grammar from first year Spanish and SPN 021. Students will build up a knowledge of Spanish vocabulary that can be used in communicative situations pertaining to the cultural and linguistic themes of the units covered in the class.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: SPN 021 (Minimum Grade: D) or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

SPN 031 - Spanish 3A

Spanish 3A, is an advanced intermediate level college preparatory class for students with a basic level background in Spanish. Students will develop an intermediate proficiency in the four skills of listening, speaking, reading and

writing of Spanish and will be acquainted with a basic Hispanic socio-cultural background. The prerequisite is the successful completion of SPN 022. This course covers the present and past (preterit vs. imperfect) verbs, and the imperative and subjunctive verbal modes. Students will build up knowledge of Spanish vocabulary that can be used in communicative situations pertaining to the cultural and linguistic themes of the units covered in the class.

High School Credits: .50

Satisfies a Requirement: Modern Language

Prerequisite: SPN 022 (Minimum Grade: D), SPN 012A (Minimum Grade: D) or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

SPN 032 - Spanish 3B

Spanish 3B, is an advanced intermediate level college preparatory class for students with a basic level background in Spanish. Students will develop intermediate proficiency in the four skills of listening, speaking, reading and writing of Spanish and will be acquainted with a basic Hispanic socio-cultural background. The prerequisite is the successful completion of SPN 031. This course covers the subjunctive use, conditionals, present perfect and other complex verbal tenses, construction and use of Spanish future and conditional tense, and complex sentences with verbs in the imperfect of the subjunctive. Students will build up knowledge of Spanish vocabulary that can be used in communicative situations pertaining to the cultural and linguistic themes of the units covered in the class.

High School Credits: .50

Satisfies a Requirement: Modern Language or Communication

Prerequisite: SPN 031 (Minimum Grade: D) or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

SPN 033 - Spanish for Heritage Speakers A

This course is an introductory Hispanic literature course designed for students with a native or near-native command of the Spanish language. The course prepares students for college level Spanish Literature. All readings, written assignments and discussions are in Spanish. The course centers on the understanding, analysis and appreciation of literary texts and includes poetry, prose and drama from various countries and periods of Spanish Literature. The literary pieces are presented in chronological order. Students view works on the list using timelines to place the works within a historical continuum, with reference to major events and artistic movements under the principles of recycling and comparing. Comparisons can help the students with analysis of themes, plot, character, stylistic features, genre, point of view, literary techniques and narratology. Additionally, students will gain competence in the skill of formal academic writing in Spanish. Students will be expected to employ accurate spelling and punctuation, be able to use the appropriate verb tenses, moods and aspects for a given assignment and select vocabulary that is appropriate for academic assignments. Students will also be assessed on the basis of essays analyzing authors' works, oral participation, discussions, tests and quizzes on various literary works, projects, and oral presentations and group projects.

High School Credits: .50

SPN 034 - Spanish for Heritage Speakers B [H]

This course is an introductory Hispanic literature course designed for students with a native or near-native command of the Spanish language. The course prepares students for college level Spanish Literature. All readings, written assignments and discussions are in Spanish. The course centers on the understanding, analysis and appreciation of literary texts and includes poetry, prose and drama from various countries and periods of Spanish Literature. The literary pieces are presented in chronological order. Students view works on the list using timelines to place the works within a historical continuum, with reference to major events and artistic movements under the principles of recycling and comparing. Comparisons can help the students with analysis of themes, plot, character, stylistic features, genre, point of view, literary techniques and narratology. Additionally, students will gain competence in the skill of formal academic writing in Spanish. Students

will be expected to employ accurate spelling and punctuation, be able to use the appropriate verb tenses, moods and aspects for a given assignment and select vocabulary that is appropriate for academic assignments. Students will also be assessed on the basis of essays analyzing authors' works, oral participation, discussions, tests and quizzes on various literary works, projects, and oral presentations and group projects.
High School Credits: .50

SPN 041 - Spanish 4A

Spanish 4A is an advanced level college preparatory class for students who have successfully completed the advanced intermediate Spanish sequence. Students will develop advanced proficiency in the four skills of listening, speaking, reading and writing. The prerequisite for this course is the successful completion of SPN 032. Students will be expected to develop communicative competency in essay-length passages and be able to understand and produce communication involving advanced grammar and vocabulary topics. This course includes the use of real-world examples of communicative discourse. Additionally, students are expected to develop an advanced understanding of cultural topics and be able to apply that understanding through the use of effective critical thinking.

High School Credits: .50

Satisfies a Requirement: Modern Language or Communication

Prerequisite: SPN 032 (Minimum Grade: D) or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

SPN 042 - Spanish 4B

Spanish 4B is an advanced level college preparatory class for students who have successfully completed the advanced intermediate Spanish sequence. Students will develop advanced proficiency in the four skills of listening, speaking, reading and writing. The prerequisite for this course is the successful completion of SPN 041. Students will be expected to develop communicative competency in essay-length passages and be able to understand and produce communication involving advanced grammar and vocabulary topics. This course includes the use of real-world examples of communicative discourse. Additionally, students are expected to develop an advanced understanding of cultural topics and be able to apply that understanding through the use of effective critical thinking.

High School Credits: .50

Satisfies a Requirement: Modern Language or Communication

Prerequisite: SPN 041 (Minimum Grade: D) or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language course. College preparatory course.

Faculty

Disha Acharya (2020)

(Lieutenant Colonel) Associate Professor of English
Ph.D., University of Louisiana at Lafayette

Oluwagboyega Afolabi (2023)

(Captain) Instructor of Mathematics/Computer Science
M.Tech, Federal University of Technology, Akure

Desi Aguilar (2010)

(Major) Academic Success Coordinator
B.S., Eastern New Mexico University

Lorenza Aho (2012)

(Lieutenant Colonel) Associate Professor of Spanish
M.A., Eastern New Mexico University

Anta Akuro (2022)

(Lieutenant Colonel) Associate Professor of Mathematics
Ph.D., Free University of Berlin

Mary Beth Atwood (1994)

(Colonel) Professor of Biological Sciences, Pre-Nursing Advisor
M.S., New Mexico State University

William Atkinson (2023)

(Major) Assistant Professor of Mathematics
Ph.D., Baylor University

Jose O. Barron (2003)

(Colonel) Director of Athletics, Instructor of HPER
M.A., New Mexico Highlands University

Scott Bracken-Tripp (2023)

(Lieutenant Colonel) Associate Professor of Music
D.M.A., University of Miami

Kyle Chaney (2006)

(Colonel) Professor of English
M.F.A., Lindenwood University

Nicholas Cody (2019)

(Lieutenant Colonel) Associate Professor of English
M.F.A., Lindenwood University

Chris Cook (2012)

(Major) Assistant Professor of Health, Physical Education, Head
Baseball Coach (JC)
B.S., Rockford College

Gerald M. Diaz (2021)

(Sergeant First Class, US Army) Senior Military Science Instructor
A.A. Counter Terrorism Studies, American Military University

Ryan Eisenhauer (2021)

(Lieutenant Colonel, US Army) Professor of Military Science
M.S., Kansas State University

Elaine Espinosa-Sims (2014)

(Lieutenant Colonel) Associate Professor of Reading/Writing
M.Ed., Eastern New Mexico University

Jared Farley (2016)

(Colonel) Professor of Political Science and Government
Ph.D., Miami University

Jonathan Fincher (2013)

(Lieutenant Colonel) Associate Professor of English
M.F.A., University of Arkansas at Monticello

Joe Forchtner (2006)

(Lieutenant Colonel) Associate Professor of Kinesiology
M.Ed., Delta State University

Shelby Forchtner (1991)

(Lieutenant Colonel) Associate Professor of HPE, Head Volleyball
Coach (JC)
B.S., Lubbock Christian University

June Frosch (1992)

(Colonel) Head Librarian
M.S.L.S., Clarion University

Billy S. Gallagher (2001)

(Colonel) Professor of History
M.A., Eastern New Mexico University

Teresa L. Garvey (1989)

(Colonel) Professor and Head, Business and Leadership
M.B.A., Eastern New Mexico University

Bertha Gomez (2018)

(Major) School Counselor II, Academic Counselor
M.Ed., Eastern New Mexico University

Orlando Griego (2021)

(Colonel) Chief Academic Officer/Dean of Academics
Ph.D., Colorado State University

Brian Hardin (2021)

(Major) Assistant Professor of Mathematics
M.S.T., New Mexico Institute of Mining and Technology

Conrad Harter (2018)

(Lieutenant Colonel) Associate Professor of History
Ph.D., University of California - Irvine

Pamela Harter (2021)

(Major) Assistant Professor of History
B.A., California State University

Gina Hartwick (2006)

(Lieutenant Colonel) Associate Professor of Mathematics
M.A. and M.Ed., Eastern New Mexico University

Tamara Hawley (2007)
(Major) Assistant Professor of Business/Computer Science
Literacy
M.Ed., Eastern New Mexico University

Patricia Hubbard (2023)
(Major) Assistant Professor of Mathematics
M.Ed., Eastern New Mexico University

Joan Jump (1997)
(Lieutenant Colonel) Librarian
M.L.I.S., Wayne State University

Stephen Kaftan (2013)(2021)
(Lieutenant Colonel) Associate Professor of Criminal Justice and
Head, Social Sciences
M.S., Indiana State University

Nicole Katz (2019)
(Major) Librarian/Archivist
M.L.I.S., San Jose State University

Frank Kimbler (2009)
(Lieutenant Colonel) Associate Professor of Geology and Earth
Sciences
M.S., New Mexico Institute of Mining and Technology

Steven King (2021)
(Major) Assistant Professor of Mathematics
M.A.T., University of Texas at El Paso

Richard Kitchen (2002)
(Colonel) Professor of History and Social Science
Ph.D., Arizona State University

Jessica Martin (2015)
(Major) Instructor of Cadet Academic Services
M.S., Angelo State University

Demvia Maslian (2015)
(Lieutenant Colonel) Associate Professor of Sciences
MSE, Henderson State University
MST, New Mexico Institute of Mining and Technology

Patricia Matchin (2007)
(Lieutenant Colonel) Associate Professor and Associate Dean of
Humanities
M.A. Ed., New Mexico State University
M.A. Psych., Fisher College

Lindsay Mayo-Fincher (2013)
(Lieutenant Colonel) Associate Professor and Head, Art, Music &
Philosophy
Ph.D., University of Nebraska
M.S. Philosophy, Texas Tech University

Daniel McKay (2023)
(Lieutenant Colonel) Associate Professor of English
Ph.D., University of Canterbury

Sandra Medina (2015)
(Lieutenant Colonel) Associate Professor and Head,
Mathematics
M.Ed., Lesley University

Henri Ndaya (2014)
(Lieutenant Colonel) Associate Professor of Mathematics
M.S., University of Colorado at Colorado Springs

Wataru Niimori (2023)
(Lieutenant Colonel) Band Director
D.M.A., University of Nebraska-Lincoln

Cody Northrup (2013)
(Major) Assistant Professor of History and Associate Dean of
Social Sciences
M.Ed., Eastern New Mexico University

Jan Olesinski (1988)
(Colonel) Professor of HPER, Cross Country
M.A., Academy of P.E. Poland

Destiney O'Kane (2022)
(Captain) School Counselor I, Academic Counselor
B.A., University of Texas at El Paso

Katrina Peterson (2019)
(Lieutenant Colonel) Associate Professor and Head, English
Ph.D., Ohio State University

Arun Pokhrel (2021)
(Lieutenant Colonel) Associate Professor of English
Ph.D., University of Florida

Jose Porras (2020)
(Colonel) Vice Dean of Academics/High School Principal
M.Ed., Eastern New Mexico University

Ephraim Post (2022)
(Commander) Assistant Professor of Leadership
M.S., Saint Leo University

Chris Royalty (2021)
(Major, US Army) Assistant Professor of Military Science
Masters in Operational Studies, Command and General Staff
College

Justine Sadoff (2023)
(Major) Assistant Professor of English
M.T.S., Harvard Divinity School

Staci Saiz (2019)
(Major) Assistant Professor of Biological Sciences
M.S., New Mexico State University

Sean Schooley (1987)(2018)
(Lieutenant Colonel) Instructor of HPE, Head Basketball Coach
(JC)
B.A., McMurry University

Charity C. Schwalm (2005)
(Colonel) Professor of Mathematics and Associate Dean for
Curriculum Planning
M.S., Texas Tech University

Jasmine Small-Armstrong (2014)
(Lieutenant Colonel) School Counselor II, Academic Counselor
and Director of Franklin Counseling Center
M.S., Kansas State University
M.S., University of the Southwest

Raechal Stoneburner (2022)
(Captain) Instructor of Business
M.A., Arizona State University

Aonan Tang (2011)
(Colonel) Professor of Physics
Ph.D., Indiana University

Christopher Tebo (2008)
(Captain, ARNG), (NMMI Lieutenant Colonel) Associate
Professor of College First Year Experience, Academic Skills Programs
Ph.D., New Mexico State University

Thomas Tekut (1998)
(Colonel) Professor of Chemistry and Astronomy
Ph.D., Texas Tech University

Moses Theimer (2006)
(Colonel) Professor of Communications, Film
M.F.A., American Film Institute

Kelly L. Torske (2014)
(Lieutenant Colonel) Associate Professor of Mathematics
M.Ed., Grand Canyon University

Karina Trivizo-Norris (2014)
(Lieutenant Colonel) Associate Professor of Biology
M.Ed., Eastern New Mexico University
M.S., University of Florida

Cyndi Vandiver (2009)
(Lieutenant Colonel) Associate Professor and Head, History
M.A., Southern Methodist University

Beaune Villaraza (2020)
(Major) Assistant Professor of Chemistry and Head, Department
of Science
M.S., Adamson University

Martin Villares (2021)
(Captain) Instructor of Modern Languages
M.A., University of Southern California

Elena A. Viltchinskaia (2002)
(Colonel) Professor of Chemistry
Ph.D., Ural Polytechnic Institute

Orson Webber-McCollaum (2013)
(Major) Assistant Professor of Modern Languages
M.A., Southern Oregon University

Christina Weir (2024)
(Major) Assistant Professor of Science
M.Ed., Eastern New Mexico University

Adam Wells (2022)
(Captain) Instructor of Mathematics
B.A., University of Pennsylvania

Gregory Williams (2022)
(Lieutenant Colonel) Associate Professor of English
Ph.D., Ohio State University

Connor Williamson (2017)
(Major) Instructor of Health, Physical Education, Basketball (HS)
M.S., Arizona State University

William Wilson (2017)
(Captain) School Counselor I, Academic Counselor
M.S., University of West Alabama

Jamie Wright (2023)
(Major) Associate Professor of Communications
DSL, Regent University

Xiaoyuan Xian (2021)
(Lieutenant Colonel) Associate Professor of Art and Department
Head
Ph.D., University of Houston

Mia Yang (2009)
(Colonel) Professor of Physics and Associate Dean of
Mathematics and Sciences
Ph.D., Indiana University

Ben Zefack (2022)
(Captain) Assistant Professor of Chemistry
M.S., University of Clermont-Ferrand II

Emeritus Faculty

Elizabeth L. Boese (1999-2018)
(Colonel) Professor of English

Paul G. Burrow (2005-2020)
(Lieutenant Colonel) Associate Professor of Mathematics

Nancy A. Castillo (2004-2022)
(Lieutenant Colonel) Associate Professor of Mathematics

Roger K. Castillo (2005-2022)
(Lieutenant Colonel) Associate Professor of Sciences and
Mathematics

Andalecio Gallegos (1981)(2008-2021)
(Colonel) Professor of Spanish, French

Clare L. Galloway (2000-2018)
(Colonel) Professor of Computer Sciences and Mathematics

Jerry A. Garcia (1978-2014)
(Colonel) Department Chair, Mathematics

Valarie Grant (2012-2022)
(Lieutenant Colonel) Associate Professor of English

Nancy Hein (2002-2019)
(Lieutenant Colonel) Associate Professor of Biological Sciences

W. Theodore Hitchcock (1993-2020)
(Lieutenant Colonel USAF Ret) Professor of History

Holly Huber (1998-2021)
(Colonel) Professor and Department Chair, Art

Robert E. Hudgens (2007-2020)
(Colonel) Professor and Head, Department of Sciences

Heidi Huckabee (2010-2021)
(Colonel) Professor of English

Jerome J. Klopfer (1984-2017)
(Colonel) Associate Dean of Paul Horgan Library and Center of Academic Excellence

Kay Kuhlmann (2007-2017)
(Major) Assistant Professor of Drama and Academic Advisor

Cheryl A. Martinez (1986-2022)
(Colonel) Professor and Head, Department of Mathematics

Eva McCollaum (2006-2019)
(Colonel) Professor and Head, Department of English

John R. McVay (2005-2022)
(Colonel) Professor of Biological Sciences and Associate Dean of Mathematics and Sciences

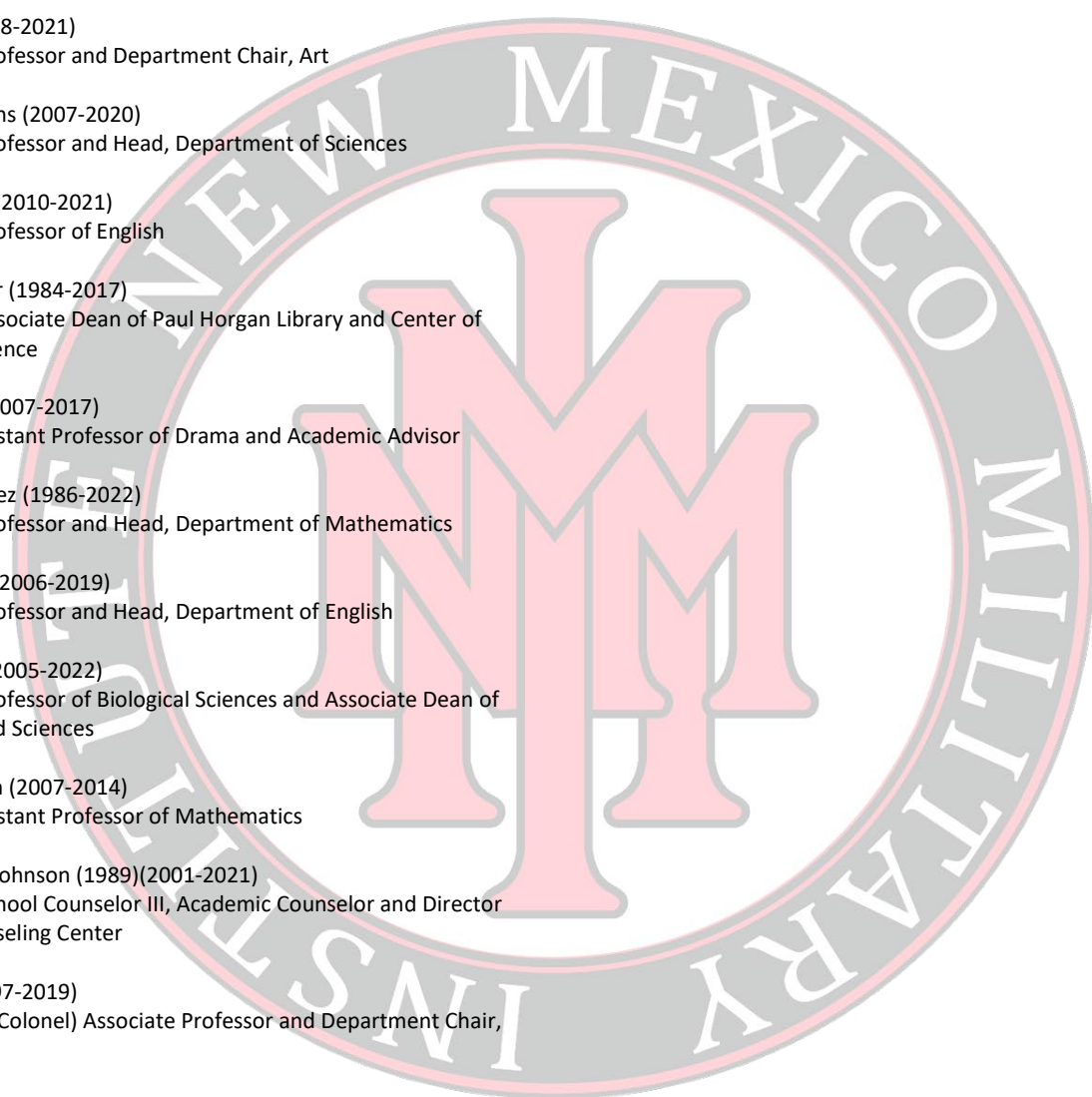
J. Michael Patton (2007-2014)
(Major) Assistant Professor of Mathematics

Rhonda Reagor Johnson (1989)(2001-2021)
(Colonel) School Counselor III, Academic Counselor and Director of Franklin Counseling Center

Steve Thorp (1997-2019)
(Lieutenant Colonel) Associate Professor and Department Chair, Music

Lewis Toland (1999-2015)
(Colonel) Professor of English

John K. Umberger (2000-2016)
(Lieutenant Colonel) Associate Professor and Head, Department of Political Science and Leadership



Academic Calendar

Fall 2024

July	19	Cadre Matriculation
	25	Bronco Football and JC Sponsored Academy Prep Matriculation
	29	Bronco Volleyball and Colt Football Matriculation
	29-30	International Cadet Orientation
	31	New JC Cadet and International Cadet Matriculation
August	01	New HS Cadets & BIS (break in service) Matriculation
	12	Old Cadet Matriculation
	13	First Day of Classes
	26	End of Add/Drop Class Period - After this date, a drop will result in a "W" grade until Grade Penalty Withdrawal Date
September	02	Labor Day (No Classes)
	30	Eastern NM State Fair Parade (No Classes)
October	01-04	Midterm Exams
	04	Last Day of Session 02 Accelerated Classes
	07	First Day of Session 03 Accelerated Classes
	08	Midterm Progress Reports
	25	Grade Penalty Withdrawal Date - Last day to drop a class with a "W" grade. After this date, any drop will result in a "WP" (withdrawn while passing) or "WF" (withdrawn while failing - this affects GPA as if grade is an "F")
November	11	Veteran's Day (No Classes)
	20	Last Day of Classes
	21	Academic Retreat
	22-26	Final Exams
	27	Fall Graduation
	28	Thanksgiving
December	02	Start of Winter Session
	18	End of Winter Session

Spring 2025

January	03	Cadre (cadet leadership) Arrive
	07	New Cadet & BIS Matriculation
	12-13	Old Cadets Arrive
	14	First Day of Classes
	20	Martin Luther King Jr. Day – No Classes
	27	End of Add/Drop Class Period - After this date, a drop will result in a "W" grade until Grade Penalty Withdrawal Date
February	17	President's Day - No Classes
March	03-07	Midterm Exams
	11	Midterm Progress Reports
	14	Grade Penalty Withdrawal Date - Last day to drop a class with a "W" grade. After this date, any drop will result in a "WP" (withdrawn while passing) or "WF" (withdrawn while failing - this affects GPA as if grade is an "F")
	17-21	Spring Break
April	18-21	Easter Break (No Classes)
May	01	Last Day of Classes
	02	Academic Retreat
	03-07	Final Exams
	10	Commencement







