

2020 – 2021  
Academic Catalog  
New Mexico Military Institute

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**NEW MEXICO MILITARY INSTITUTE**  
**2020-2021 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 (Coming Soon) 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 2020 through Spring 2021 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>

# Accreditations and Compliance

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## Accreditations

New Mexico Military Institute's Junior College program is accredited (2011) by the Higher Learning Commission, a commission of the North Central Association. 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 (formerly AdvancED). 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/>.

## Additional Certifications/Licensure

State of New Mexico

Public Education Department

Department of the Army as a Military Junior College offering JROTC and SROTC Programs. Honor School with distinction (or its equivalent) since 1909.

Surveys relating to NMMI and accreditation may be found at <https://www.nmmi.edu/academics/institutional-research/>

## Memberships

American Association of Community and Junior Colleges  
American Council on Education  
Association of Governing Boards  
Association of Military Colleges and Schools of the U.S.  
National Association of Campus Activities  
North Central Conference of Summer Schools  
New Mexico Association of Community Colleges  
College Board

## Assessment Statement

At NMMI, assessment is an embedded continuous process for understanding, confirming and improving cadet success. NMMI's 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.

## 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.

## **Key Personnel**

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### **Board of Regents**

- Colonel Timothy Paul USA Ret., 1982 HSG/1984 JCG – President, Rio Rancho, NM
- Colonel Barbara Trent USAR Ret., 1979 JCG - Vice-President, Las Cruces, NM
- Brad Christmas, 1970 HSG – Secretary/Treasurer, Wagon Mound, NM
- Cedric Page, Ph.D., Member, Los Alamos, NM
- John Garcia, Member, Albuquerque, NM

### **Administration**

- Major General Jerry W. Grizzle, USA Ret. Ph.D. – Superintendent/President
- Brigadier General Douglas J. Murray, USAF Ret. Ph.D. – Chief Academic Officer/Dean of Academics
- LTC Jonathan K. Graff, Jr., USA Ret. M.M.A.S. US Army Command and General Staff College – Commandant/Dean of Students
- Colonel David West, NMMI - Chief of Staff
  - LTC Kris Ward, NMMI – Director of Domestic Admissions
  - Kent Taylor - Director of Facilities
  - COL Todd Lupien - Director of I.T.
- Colonel Jose O. Barron, NMMI, M.A. – Director of Athletics
- Colonel Jose Porras, NMMI – Vice Dean/High School Principal
- Colonel Judy Scharmer, NMMI - Chief Financial Officer
- Lieutenant Colonel Danny Armijo II, NMMI - Director of Alumni Relations

# About NMMI

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## General Information

The Corps of Cadets at New Mexico Military Institute operates within the framework of a military organization with a cadet chain of command, headed by a Cadet Regimental Commander, under the supervision of the Commandant of Cadets and his staff. Working closely with the regimental commander and other cadet commanders, the staff is composed of officers and non-commissioned officers of the U.S. Army in the Military Science Division and other highly trained professional leaders, either retired military or with military experience. Upon enrollment, new cadets become part of the Corps under the traditional "new cadet-old cadet" system. New cadets are generally assigned to rooms in the barracks with fellow new cadets of the same academic year. Periodically, they may have a roommate that is one class behind or ahead of them. As a new cadet, the cadet is trained and held to the highest standards.

## 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.

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.

## A Time-Tested Model



Providing Integrated High-Definition Education, Training and Experience for 21<sup>st</sup> Century Learners

I can assure you that your NMMI Experience will be one of daily growth, change, challenge, and opportunity – the kind of opportunity that enables you to learn new things, to meet new people, to exchange ideas, and to debate the issues. Many people will help guide you along the way. The Dean of Academics and the faculty will inform and challenge you. The Commandant of Cadets and his staff will train you and help you succeed as a cadet. Your fellow cadets will inspire you. But, what is required of you?

You must be willing to invest the necessary time and effort, seek out and take the initiative, and accept the responsibility for yourself and your actions that will lead to your success at NMMI. Are you ready to make the commitment? Are you ready to succeed in achieving your goals? If you are, then we here at NMMI are ready to support you as you carve out your own NMMI Experience.

The information in this catalog, together with the advice of your academic counselor will help you plan for and achieve your educational goals – no matter what they may be.

Good Luck! I wish you great success as you work toward your future,

*Jerry W. Grizzle, PhD  
Major General, USA (Retired)  
President and Superintendent*

## Superintendent's Message

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You are about to become part of the long and distinguished heritage and traditions that constitutes the NMMI Experience, an experience founded on the principles of "Duty, Honor and Achievement" which has flourished since 1891. While strong in heritage and tradition, NMMI remains a progressive college-preparatory high school and university parallel junior college that employs the military model to educate and train its cadets in practical leadership and ethical behavior. We focus on helping our cadets attain excellence in academics, in character development, and in physical fitness, while providing them hands-on leadership opportunities in every campus endeavor and empowering them with the responsibility and authority to help execute the mission of the school and develop leaders of character.

As NMMI's 19th President/Superintendent, it is important to me to continue with the school's efforts to expand and improve upon the already superior education for which the school is well known. Beyond that, I will continue to support and encourage NMMI's many life-enriching activities and programs which provide you, as a member of the Institute's Corps of Cadets, with a well-rounded, "whole person" educational experience. While we share similarities with our nation's Service Academies and state military colleges and academies, military service is an option, not a requirement at NMMI. Approximately 80% of our graduates rise to important positions in civilian careers at the local, state and national level.

# Cadet Life

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## 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.
- Cadet Counseling Center and services.

The Commandant is supported in his duties by two 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.

#### Cadet Status - New/Old Cadet System

All cadets are categorized as either RATs (Recruits at Training), New Cadets, Yearlings or Old Cadets as part of the traditional New Cadet/Old Cadet system. Cadets are RATs for the first six weeks of their first semester at NMMI. At the six week mark, all RATs become New Cadets and continue their training as the newest members of the Corps of Cadets.

Yearling cadets (second semester in college or second year of high school) continue to hone their management and leadership skills. They may be given supervisory responsibilities over new cadets. During this period, cadets are carefully coached, mentored and evaluated by adult Troop Leadership Advisors on their management skills, leadership and character development.

Old cadets (at least one year college or two years high school) are the primary leaders in the Corps, having the responsibilities of training the new cadets, monitoring and helping the progress of the yearlings and running day-to-day Corps operations and activities. Their performance is periodically assessed through leadership development and training exercises. They are expected to lead by example and enforce the school standards outlined in the Cadet Blue Book.

All full-time cadets are required to be resident members of the Corps of Cadets. Every cadet wears the cadet uniform and participates in leadership education training (LET) or military science (MSL), and physical training (PT) activities.

#### 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.

#### Furloughs

A furlough is a designated and authorized time when a cadet may leave NMMI overnight. Authorization for furloughs is directly related to class status, activities on the training schedule, academic grades and department grade. A cadet whose grades or department fall below a "C" average loses their furlough privilege. Furloughs are taken only on specific weekends designated by the Commandant of Cadets. There are three major furloughs during which all cadets must leave NMMI: Thanksgiving, Christmas, and Spring Break. The barracks and facilities are closed during these extended break periods.

#### Godfrey Athletic Center

##### Physical Performance and Development

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 ply-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.

## 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

### Girls

- Basketball
- Cross Country
- Track
- Volleyball

- Soccer

## 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 JRT near the PX.

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.

Each week the CCC staff, the Commandant, and the Deans meet or exchange information to identify ways to help cadets succeed.

#### *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

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**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 without an application fee, or by completing and submitting a paper application to the Admissions Office with a check or money order for \$85.00. Under some circumstances, Admissions may waive the fee.

The family physician must fill out the NMMI Health and Consent form in its entirety and return it to the Admissions Office. 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.

Foreign cadets whose primary language is not English must have a score of 500 (paper based test) or 173 (computer) or 61 (internet based test) better in the Test of English as a Foreign Language (TOEFL), B2 level or higher on the Cambridge First, 6.0 or higher on the IELTS or 3.6 or higher on the iTEP and may substitute these tests for the ACT.

## High School Admission

New cadets are admitted only at the beginning of the Fall semester.

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. High school students are evaluated on a holistic review policy. Students should submit their application and complete the required documentation to receive a decision.

**Third Class (Senior)** - Must meet minimums on NMMI entrance exam, be interviewed and will be reviewed in a holistic manner.

**Fourth Class (Junior)** - Must meet minimums on NMMI entrance exam, be interviewed and will be reviewed in a holistic manner.

**Fifth Class (Sophomore)** - Must meet minimums on NMMI entrance exam, be interviewed and will be reviewed in a holistic manner.

**Sixth Class (Freshman)** - Must meet minimums on NMMI entrance exam, be interviewed and will be reviewed in a holistic manner.

International students seeking admission to the high school should take the SSAT. NMMI accepts scores in the top 50% and will review students in the top 75% overall on the SSAT. Students may substitute other tests of English for the SSAT with permission from the Office of Admission.

Native Spanish speaking cadets whose primary language is not English must have a score of 55 or better on the written Secondary Level English Proficiency (SLEP) exam. In addition a minimum score of 27 on Section 1 (listening) and a score of 26 on Section 2 (reading) are expected. The SLEP exam may be substituted for the NMMI entrance exam.

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.

Based on the counsel of the academic advisor and on demonstrated academic ability, a high school junior or senior may be permitted to take college courses concurrently with high school courses, either for high school and/or college credit (co-enrolled for high school and college credit) with permission of the high school Principal or Academic Dean.

Graduation: A third class new cadet must earn a minimum of four credits at NMMI and spend two semesters in residence. (Note: Successful completion of NMMI English courses 4A & 4B, and a minimum of one year of NMMI mathematics at the Algebra 2 level or above are required for high school graduation.) A maximum of one unit 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/Vice-Dean must approve post-NMMI courses to meet graduation requirements.

## 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

## Financial Information

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The NMMI Business Office has a website which covers additional information on NMMI cadets. Actual charge information, financial advisor listings, infirmary 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 <http://www.nmmi.edu/business/>, 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 third Friday 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. The cadet store accepts debit and credit cards as well as the Bronco BuX card. More information on the Bronco BuX prepaid spending plan can be found at <https://nmmi.campuscardcenter.com>. Other alternatives

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.

include local bank accounts, maintaining home town bank accounts, ATMs, mailing funds directly to the cadet, etc.

- **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 dis-enrollment from school for non-payment.
- **Credit Cards** - The Business Office, Cadet Store, and Golf 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 Cadet Store and Golf Shop will accept the cards for purchases. Cash advances are not available. Wire transfers may also be used and wire transfer information is available through the Business Office.
- **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 Friday of the third week of classes. Cadets who have withdrawn 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. Students anticipating these funds must have already paid in full or enrolled in a payment plan to cover semester financial obligations.

- **Refund Policy**

- Should a cadet withdraw or be dismissed, the semester tuition and fixed fee charges (other than matriculation, enrollment, blue book and fees imposed as a penalty) will be refunded as follows:
  - First five class days - 100%
  - Next five class days - 75%
  - Next ten class days - 50%
  - Next ten class days - 25%
- There will be no refund for certain fees charged to the cadet. Please refer to the Business Office Policies for these non-refundable fees at <https://www.nmmi.edu/business/>. No refund will be made for uniform items which have been altered, laundry marked or worn.

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. NM HED site has the NM State Law on residency information, petitions and exceptions to the law.

Persons under 18 are considered minors under NM law and the residence is presumed to be the same as their parents'. Cadet must be at least 19 years old to establish residency apart from their parents. Only individuals who are financially independent may establish residency, and if the cadet is under the age of 23, a copy of the parents' 1040 or 1040A US income tax form will be required to show dependency status in the previous tax year.

### Requirements to establish NM residency are:

- Twelve consecutive months residence in New Mexico.
- Financial independence to establish residency (see above).
- Written declaration of intent to relinquish residency in any other state to the Registrar's Office.
- At least two of the following Overt Acts:
  1. If employed, employment within New Mexico;
  2. Payment of NM income taxes;
  3. NM drivers' license;
  4. NM vehicle registration;
  5. NM voter registration;
  6. NM high school transcript confirming attendance/graduation;
  7. Proof of current residential property ownership in New Mexico;
  8. Current utility bills showing applicant name and a New Mexico address;
  9. No act inconsistent with being a NM resident, e.g., voting in another state.

### Waivers of non-resident tuition/12-month duration (Proof required):

- Parent has moved to NM for and has permanent full-time employment;
- Active duty service members' dependents while stationed at a military base inside of New Mexico;
- Active duty service members' dependents who were residents of New Mexico prior to entering service may retain NM residency;
- Active participating members of the NM National Guard and their dependents;
- Dependents of individuals who move to NM for retirement;
- College athletes receiving state-funded athletic scholarships;
- Funded service academy preps;
- Residents of state of Sonora, Coahuila or Sinaloa, Mexico;
- Eligible participants of the Veterans Affairs (VA) Chapter 30, 33 and 35 educational benefit programs, per NM House Bill 427;
- Waivers granted by the Board of Regents.

From the NM HED Residency brochure

<https://hed.state.nm.us/financial-aid/residency-requirements>

"An individual must establish legal residency in New Mexico before he or she is entitled to pay in-state tuition rates. The requirements to establish residency for tuition purposes are independent from those of other types of residency such as voting or holding public office."

"New Mexico institutions of higher education are supported by the General fund of the State of New Mexico. Since non-resident cadets (and their families) generally have not contributed to the support of public education in New Mexico, they are required to pay additional tuition which more closely represents the actual cost of their education."

## 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](http://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.

## 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

# Financial Aid

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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

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

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 \$639 to \$6,345 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), Expected Family Contribution (EFC) 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 Perkins Loan Program: This program allows students who demonstrate financial need to borrow up to \$5,000 per year. The interest rate is fixed at 5.00%. Interest does not accrue to the borrower, nor does repayment begin on Perkins Loans until nine months after 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.
4. 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.
5. 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.

6. 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.
7. 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 GPA or above with at least 12 credits earned.



3. College Affordability Grant: This program is for New Mexico students with financial need who do not qualify for other state grants or scholarships.
4. In-State Tuition Allowance: New Mexico State legislation has been approved to provide any high school graduate of a New Mexico high school in-state tuition rates at the New Mexico college of the cadet choice.

## 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 award includes a state gratis scholarship to be applied toward NMMI charges for up to four 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

## FINANCIAL AID SAP STATUS DEFINITIONS

**ELIG** (Eligible) Cadet meets all the conditions of maintaining satisfactory academic progress.

**WARN** (Warning) A cadet will be placed on Warning Status if he/she failed to achieve a minimum 2.0 GPA or better or if the credits earned calculation is below the required number. Cadets on warning status will be eligible to receive financial aid during that period. At the end of the warning period, a cadet must have a cumulative GPA of 2.0 or better and a satisfactory completion rate to continue receiving financial aid.

**DENY** A cadet is DENY when he/she fails to make satisfactory academic progress during a warning term or completes the semester with grades of all F's and, therefore, ineligible to receive financial aid.

A cadet who is DENY has two options:

1. Appeal by completing a SAP appeal form or
2. Attend at the cadet's own expense until the cadet raises their cumulative GPA to 2.0 and has a satisfactory completion rate.

**TIME** (Maximum time frame) A cadet has exceeded the time frame limit for their declared degree or certificate. Cadet may not receive Title IV financial aid for courses that do not meet the requirements for completing their declared degree program. The time frame for

degree completion is limited by Federal regulations to 150% of the published length of the degree program.

Credit hours attempted will include completed credits, incompletes, withdrawals, transfer credits, and repeated or failed classes. If due to withdrawals, failed courses or change in degree program, etc., the cadet exceeds the maximum number of attempted credits for their program or a cadet cannot complete the program of study without exceeding the maximum time frame, then he/she will no longer be eligible for Federal financial aid for any future terms.

### **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 disbursable 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

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## Message from the Dean

Since our founding in 1891, academic excellence, a distinguished faculty, and a heritage of preparing our cadets to become tomorrow's leaders have been the centerpiece of New Mexico Military Institute. NMMI offers a unique learning experience built upon a curriculum that is mission directed, a comprehensive approach integrating education, training, and experience, and a totally integrated high school and college learning environment.

Academics at NMMI is founded upon teaching the fundamentals in English, Math, Science, language and communication, but enhanced by the knowledge and abilities required of leaders of the millennium generation. Our approach combines a traditional learning focused methodology with the most current state of the art and appropriate educational technologies. The cornerstone of learning at NMMI is a close all-encompassing faculty cadet relationship enabled by morning, afternoon, and evening one on one and group tutoring opportunities.

Among America's learning institutions, NMMI is unique because it integrates a four-year college preparatory high school curriculum with that of a two-year university parallel junior college. For this reason we do not think of NMMI as a collated high school and junior college but as a six year seamless learning experience in which cadets progress as fast and as far as their capability, potential, and vision permits. Academic resources and individually tailored programs provide a learning flexibility not common elsewhere providing the opportunity for exceptional cadets to achieve a high school diploma and an Associate Degree nearly concurrently.

At NMMI we seek and welcome a spectrum of cadets from across the nation and the world, who while differing in abilities, have in common a potential and passion to learn. Our cadets and faculty engage one another as they examine new ideas and challenge old ones. We view education as a shared responsibility among our faculty, cadets and parents. Clearly defined learning outcomes are continually assessed through a rigorous process, based upon understanding, confirming, and improving our curriculum.

We invite and welcome you to be a part of our learning experience and to graduate prepared to lead your generation.

## 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 identified by Cognia (formerly AdvancED) as "College Preparatory." The Institute does not offer vocational-technical programs. NMMI is proud to have been accepted as a member of the North Central Association Academy for Assessment of Student Learning (Assessment Academy).

## 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 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.

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)	
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
DA, DB, etc.	Letter grade for department (Used for Honor status/awards such as Superintendent's List, Dean's List, Commandant's List, etc.)	

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.

#### 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.

### *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.

### *Class 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. English I must be one of the units submitted.

**Fourth Class** (high school junior). A cadet must have completed eleven academic units to include English I and II that apply toward the high school diploma.

**Third Class** (high school senior). A cadet must have completed seventeen academic units to include English I, II, and III that apply toward the high school diploma and have completed all but one unit in each of the core curriculum sequences.

**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.

### *Course Numbering System*

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

are numbered from 100 to 2999 and are "lower level" college courses designed to meet basic college educational requirements.

### *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.

Midyear graduates have their own formal ceremony in December and will not participate in the May ceremony.

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: <http://www.nmmi.edu/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.

## **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.

ACT Aspire 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 (PSAT, SAT I, SAT II, GRE, and CLEP) and the American College Testing Programs (ACT Aspire, and the 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.

#### **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.

#### **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.

#### 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.

#### Phi Theta Kappa (Junior College)

New Mexico Military Institute maintains a chapter of the junior college honor society *Phi Theta Kappa*. Election to the society rewards academic excellence and provides additional opportunities for leadership training. Junior college cadets carrying a full academic load, possessing recognized qualities of citizenship, and holding a 3.5 cumulative GPA in non-remedial courses with an A or B in department will meet the minimum qualifications for membership. Cadets get 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).

#### National Honor Society (High School)

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.

#### 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/Discipline Status/Standing*

**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.

**Academic standing awards:** For academic standing awards only, the department grade must be as follows: Superintendent/Dean Lists - A (DA - see GPA criteria in Superintendent's/Dean's List sections); Commandant List - A/B (DA/DB) with term GPA of 2.75 to 3.24; Good Standing - A/B/C (DA/DB/DC) with term GPA of 2.00 to 2.74; no award - D/F (DD/DF) and term GPA of 2.00 and above; Academic Probation (any department grade - see GPA criteria above); Academic Suspension (any department grade - see GPA criteria above).

**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 (department) or the Academic Dean (academic) with the approval of the Superintendent/President.

**Final grading after suspension/dismissal/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.

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/>.

**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

# High School College Preparatory Program

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## 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-

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.

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 examination (ACT) as a graduation requirement. A cadet whose intention is to transfer to a college or university whose admission requirement is the SAT, may request to substitute the ACT exam with the SAT. The request must be approved by the Vice Dean/High School Principal. 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. The ACT Aspire test is administered in the freshman and sophomore year and the PSAT (Preliminary Scholastic Aptitude Test) in the fall semester of 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.

## 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. The American College Test (ACT) is a requirement for the high school diploma. However, a cadet whose clear intention is to attend a college or university which requires the Scholastic Aptitude Test (SAT) for admission may elect to substitute that test for the ACT with the approval of the Vice Dean. As of Fall 2015, the ACT 011 (ACT/SAT) course must be taken prior to the end of Junior year (Note: Applies to those entering 2015-16 as Freshmen, Sophomores, and Juniors). 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 generates .50 credit. Two and one-half credits are required to include two credits from the same foreign language (e.g. two years of French) and .50 credit in communication skills. An entering 5th classman (HSSO or higher) with a language not offered by NMMI will only be required to take one additional credit of a language 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.

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

BUS 035 - General Business  
BUS 036 - Advanced 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  
SPN 011 - Spanish 1A

SPN 012 - 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  
ARB 011 - Arabic 1A  
ARB 012 - Arabic 1B  
ARB 021 - Arabic 2A  
ARB 022 - Arabic 2B  
FRN 011 - French 1A  
FRN 012 - French 1B  
FRN 021 - French 2A  
FRN 022 - French 2B

### 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 Contemporary Math. 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. General science or physical science do not meet NMMI's science requirement.

BIO 021 - Biology  
BIO 022 - Biology  
BIO 023 - Genetics, Genomics and Genethics  
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 036 - Advanced 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 Fall 2015 or later 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.

# AA/AS Junior College Degree Program

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## 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.

## 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 on line course
- A cadet may take a correspondence/on-line 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)

- On-line 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 0993/READ 0993, ENGL 1033 or ENGL 1110. College students must take either ENGL 0993, 1033 or 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 Critical Reading (Pre March 2016)	SAT Reading Test	NMMI English Placement (EPE)	Eligible Course
< 14	< 370	< 20	< 40	ENGL 0993/READ 0993
			Between 40 and 69	ENGL 1033/2993**
>= 18	>= 460	>= 25	>= 70	ENGL 1110**
Between 14 and 17	Between 370 and 450	Between 20 and 24	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

## 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.

Cadets entering NMMI in the 2020-2021 academic year must complete our newly revised junior college graduation requirements.

**Returning cadets, who entered NMMI prior to the 2019-2020 academic year, should refer to the catalog for the year they entered to review core course graduation requirements and courses that count towards each subject area.** When in doubt, talk to your academic advisor or the Registrar's Office. Many course IDs/names have changed as well. Review our [Crosswalk of Course Changes section](#) to review these changes.

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](#) Graduation Requirement Module.
- 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 MUSC (music) credits will count towards graduation. Any credits over these limits will not count towards graduation requirement total and GPA calculation.

- The Proficiency Profile assessment test must be taken by all graduates in their last semester.
- Cadet must complete the required courses within the core curriculum. Specific core subject areas are listed below with allowable courses for each subject area.

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 COMM 1113.

ENGL 1110 - Composition I

Plus 3.0 additional hours from the following:

BUSW 2113 - Business Writing  
ENGL 1120 - Composition I II  
ENGL 2210 - Professional & Technical Communication  
ENGL 2610 - American Literature I  
ENGL 2620 - American Literature II  
ENGL 2630 - British Literature I  
ENGL 2640 - British Literature II

Plus 3.0 additional hours in a Public Speaking course:

COMM 1113 - Public Speaking

### History (6.0 credits)

Two history courses are required. However, a course may not be used here and as a humanities course at the same time. 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 general education and the history concentration at the same time. Not all courses are offered each semester.

HIST 1110 - United States History I

HIST 1120 - United States History II  
HIST 1130 - World History I  
HIST 1140 - World History II  
HIST 1150 - Western Civilization I  
HIST 1160 - Western Civilization II  
HIST 2145 - American Military History

### **Humanities or Modern Language (6.0 credits)**

In the AA degree, a student must take 6.0 - 8.0 credits in humanities. A course used in another core area cannot be used here to meet the requirement, e.g. an advanced English can be used in the English GenEd core, but then not here in humanities, or only the third history (2 History GenEd) may be used as a humanities GenEd core.

This requirement may be met by a language course (ARBC, SPAN, CHIN, FREN, etc), a literature course (ENGL 2###), or a specific humanities or philosophy course.

### **Laboratory Science (8.0 credits)**

Any two laboratory science courses. Both the class and lab must receive a passing grade.

ASTR 1115 - Introduction to Astronomy (LEC)  
BIOL 1154 - General Biology  
BIOL 1164 - Forensics  
BIOL 1214 - Principles of Biology I  
BIOL 1215 – Biology for Environmental Sciences  
BIOL 1224 - Principles of Biology II  
BIOL 2224 - Microbiology  
BIOL 2254 - Insects and Man  
BIOL 2434 - Human Anatomy  
BIOL 2444 - Human Physiology  
BIOL 2901 – Current Issues in Life Sciences, Medicine and Environment  
CHEM 1120 – introduction to Chemistry (non majors)  
CHEM 1214 - General Chemistry I  
CHEM 1224 - General Chemistry II  
CHEM 2114 - Allied Health Chemistry  
GEOL 1214 - Physical Geology  
GEOL 1224 - Historical Geology  
GEOL 1234 - Environmental Geology  
PHYS 1104 – Introduction to Physics  
PHYS 1134 - Physics in the Medical Professions  
PHYS 1230 – Algebra-Based Physics I  
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  
MATH 1150 - Math for Business and Social Science  
MATH 1220 - College Algebra  
MATH 1230 – Trigonometry  
MATH 1250 – Trigonometry & Pre-Calculus  
MATH 1350 - Introduction to Statistics  
MATH 1430 - Calculus for Business and Social Science  
MATH 1510 - Calculus I

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.

ANTH 1140 - Introduction to Cultural Anthropology  
CJUS 1110 - Introduction to Criminal Justice  
ECON 2110 - Macroeconomics Principles  
ECON 2120 - Microeconomics Principles  
GEOG 1165 - People and Place  
GEOG 2140 - Economic Geography  
POLS 1110 - Introduction to Political Science  
POLS 1120 - American National Government  
POLS 2120 - International Relations  
POLS 2110 - Comparative Politics  
POLS 2160 - State and Local Government  
PSYC 1110 - Introduction to Psychology  
PSYC 2110 - Social Psychology  
PSYC 2210 - Abnormal Psychology  
SOC 1110 - Introduction to Sociology  
SOC 2240 - Sociology of Intimate Relationships and Family  
SOC 2310 - Contemporary Social Problems

### **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 1053 - Drawing  
ARTS 1103 - Color and Composition  
ARTS 1403 - Computer Graphic Design  
ARTS 1903 - Stained Glass  
ARTS 1913 - Stained Glass II  
ARTS 1993 - Portfolio Enhancement  
ARTS 2023 - Painting  
ARTS 2113 - Art History I  
ARTS 2123 - Art History II  
DRAM 1031 - Theater Production I  
DRAM 1041 - Theater Production II  
DRAM 1113 - Introduction to Drama  
ENGL 1213 - Creative Writing  
ENGL 1323 - Photojournalism & Narrative with Book Publishing I  
ENGL 1333 - Photojournalism & Narrative with Book Publishing II  
MUSC ##### - Any MUSC course

### **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. Students may take one semester of LEAD 1103 (Introduction to Leadership) or MSL each semester 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
  - ARTS 2113 – Art History I
  - ARTS 2123 – Art History II
- Recommended Courses (plus three from the following)
  - ARTS 1053 – Drawing
  - ARTS 1103 – Color and Composition
  - ARTS 1403 – Computer Graphic Design
  - ARTS 1903 – Stained Glass
  - ARTS 1913 – Stained Glass II
  - 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)
  - BLAW 2113 – Business Law
  - BUSA 1110 – Introduction to Business
  - BUSA 2460 – Business Ethics
  - BCIS 1110 – Fundamentals of Information Literacy & Systems
  - GEOG 2140 – Economic Geography
  - MGMT 2110 – Principles of Management

- MKTG 2110 – Principles of Marketing

\*MATH 1220 and BUSW 2113/ENGL 2210 are required for this concentration.

MATH 1430 (Calculus for Business and Social Sciences) and MATH 1350 (Introduction to Statistics) are highly recommended.

### • Communications

- Required Courses
  - COMM 1113 – Public Speaking
- Recommended Courses (plus one of the following)
  - COMM 1003 – Introduction to Mass Communications
  - COMM 1053 – Journalism
  - COMM 1213 – Interpersonal Communication
  - COMM 1997 – Independent Study - Communications
  - COMM 1353 – Introduction to Digital Film Making
  - COMM 2103 – Introduction to Film Studies
  - COMM 2113 – Cinema History

### • 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 I and
  - ENGL 1120 – Composition I II
  - 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
  - ENGL 2403 – Special Topics In Literature
  - DRAM 1013 – Drama as Literature

### • 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)
  - ANTH 1140 – Introduction to Cultural Anthropology
  - HIST 2145 – American Military History

- **Philosophy**

- Required Courses
  - PHIL 1113 – Introduction to Philosophy
  - PHIL 1813 – Critical Thinking
- Recommended Courses (plus three of the following)
  - PHIL 1203 – World Religions
  - PHIL 2013 – Ethics
  - PHIL 2023 – Logic
  - PHIL 2113 – Greek Philosophy
  - PHIL 2123 – 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 1140 – World History II
  - HIST 1110 – United States History I
  - HIST 1120 – United States 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)
  - ANTH 1140 – Introduction to Cultural Anthropology
  - GEOG 2140 – Economic Geography
  - 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 2230 – Psychology of Adjustment
  - PSYC 2213 – Developmental Psychology
  - SOCI 2240 – Sociology of Intimate Relationships and Family
- 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 COMM 1113.

ENGL 1110 - Composition I

Plus 3.0 additional hours from the following (ENGL 2210 is preferred):

BUSW 2113 - Business Writing

ENGL 1120 - Composition I II

ENGL 2210 - Professional & Technical Communication

ENGL 2610 - American Literature I

ENGL 2620 - American Literature II

ENGL 2630 - British Literature I

ENGL 2640 - British Literature II

Plus 3.0 additional hours in a Public Speaking course:

COMM 1113 - Public Speaking

### History (3.0 credits)

Any course with the HIST designation except for American Military History (HIST 2145).

HIST 1110 - United States History I

HIST 1120 - United States History II

HIST 1130 - World History I

HIST 1140 - World History II

HIST 1150 - Western Civilization I

HIST 1160 - Western Civilization II

### Humanities or Modern Language (6.0 credits)

In the AS degree, a student must take 6.0 - 8.0 credits in humanities. A course used in another core area cannot be used here to meet the requirement, e.g. an advanced English can be used in the English GenEd core, but then not here in humanities, or only the third history (2 History GenEd) may be used as a humanities GenEd core.

This requirement may be met by a language course (ARBC, SPAN, CHIN, FREN, etc), a literature course (ENGL 2####), or a specific humanities or philosophy course.

### Laboratory Science (12.0 credits)

Three lab science courses are required, two of which must be sequential.

BIOL 1214 - Principles of Biology I

BIOL 1224 - Principles of Biology II

or

BIOL 2210 - Human Anatomy & Physiology I

BIOL 2225 - Human Anatomy & Physiology II

or

CHEM 1214 - General Chemistry I

CHEM 1224 - General Chemistry II

or

GEOL 1214 - Physical Geology

GEOL 1224 - Historical Geology

GEOL 1234 - Environmental Geology

Note: GEOL 1224 or GEOL 1234 may be taken to complete the sequence

or  
PHYS 1230 - Algebra-Based Physics I  
PHYS 1240 - Algebra-Based Physics II

or  
MCIS 1814 - Computer Science I  
MCIS 1824 - Computer Science 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 1154 – General Biology  
BIOL 1164 – Forensics  
BIOL 1215 – Biology for Environmental Sciences  
BIOL 2224 - Microbiology  
BIOL 2254 - Insects and Man  
CHEM 2114 - Allied Health Chemistry  
PHYS 1134 - Physics in the Medical Professions

### 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  
MATH 1220 - College Algebra  
MATH 1230 – Trigonometry  
MATH 1250 – Trigonometry & Pre-Calculus  
MATH 1350 - Introduction to Statistics  
MATH 1430 - Calculus for Business and Social Science  
MATH 1510 - Calculus I  
MATH 1520 - Calculus II  
MATH 2530 - Calculus III  
MCIS 2414 - Discrete Mathematics  
MATH 2624 - Differential Equations

### Social & Behavioral Sciences (3.0 credits)

One non-history social science course.

ANTH 1140 - Introduction to Cultural Anthropology  
CJUS 1110 - Introduction to Criminal Justice  
ECON 2110 - Macroeconomics Principles  
ECON 2120 - Microeconomics Principles  
GEOG 1165 - People and Place  
GEOG 2140 - Economic Geography  
POLS 1110 - Introduction to Political Science  
POLS 1120 - American National Government  
POLS 2110 - Comparative Politics  
POLS 2120 - International Relations  
POLS 2160 - State and Local Government  
PSYC 1110 - Introduction to Psychology  
PSYC 2110 - Social Psychology  
PSYC 2120 - Developmental Psychology  
PSYC 2210 - Abnormal Psychology  
PSYC 2230 – Psychology of Adjustment

SOCI 1110 - Introduction to Sociology  
SOCI 2240 - Sociology of Intimate Relationships and Family  
SOCI 2310 – Contemporary Social Problems

### 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 1053 - Drawing  
ARTS 1103 - Color and Composition  
ARTS 1403 - Computer Graphic Design  
ARTS 1903 - Stained Glass  
ARTS 1913 - Stained Glass II  
ARTS 1993 - Portfolio Enhancement  
ARTS 2023 - Painting  
ARTS 2113 - Art History I  
ARTS 2123 - Art History II  
DRAM 1031 - Theater Production I  
DRAM 1041 - Theater Production II  
DRAM 1113 - Introduction to Drama  
ENGL 1213 - Creative Writing  
ENGL 1323 - Photojournalism & Narrative with Book Publishing I  
ENGL 1333 - Photojournalism & Narrative with Book Publishing II  
MUSC ##### - Any MUSC course

### 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. Students may take one semester of LEAD 1103 (Introduction to Leadership) or MSL each semester 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
  - HPER 1113 – 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 2323 – General Medical Conditions and
- HPER 2353 – Sports Injuries
- And a number of the following courses to get at least 15 credit hours
- HPER 1213 – Introduction and Foundations of Physical Education
- HPER 1233 – Introduction to Physical Therapy
- HPER 1253 – Sports Safety, First Aid and Emergency Care
- HPER 1313 – Performance and Nutrition
- HPER 1613 – Fitness for Health and Sports
- HPER 1913 – Introduction to Sports Management
- HPER 2542 --Theory and Techniques of Athletics
- PSYC 2335 – Performance Psychology

- **Biological Sciences**

- Required Courses
  - BIOL 1214 – Principles of Biology I
  - BIOL 1224 – Principles of Biology II
- Recommended Courses (plus three from the following)
  - BIOL 2224 – Microbiology
  - BIOL 2254 – Insects and Man
  - BIOL 2210 – Human Anatomy & Physiology I
  - BIOL 2225 – Human Anatomy & Physiology II
  - CHEM 1214 – General Chemistry I
  - CHEM 1224 – General Chemistry II
  - BIOL 1215 – Biology for Environmental Sciences

- **Computer Science**

- Required Courses
  - MCIS 1814 – Computer Science I
  - 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 1350 – Introduction to Statistics
  - MATH 1250 – Trigonometry & Pre-Calculus

- **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 1214 – General Chemistry I and
  - CHEM 1224 – General Chemistry II
  - or
  - GEOL 1214 – Physical Geology and
  - GEOL 1224 – Historical Geology
  - or
  - PHYS 1230 – Algebra-Based Physics I and
  - PHYS 1240 – Algebra-Based Physics II
  - or
  - PHYS 2214 – Engineering Physics I and
  - PHYS 2225 – Engineering Physics II

- **Pre-Engineering**

- Required Courses
  - MATH 1510 – Calculus I
  - MATH 1520 – Calculus II
  - PHYS 2215 – Engineering Physics I
  - PHYS 2225 – Engineering 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 1214 – General Chemistry I
  - CHEM 1224 – General Chemistry II
  - ENGR 1463 – Engineering Graphics and Design II
  - PHYS 2223 – Engineering Statics
  - MATH 1350 – Introduction to Statistics
  - MATH 2530 – Calculus III

- **Pre-Medicine/Dental/Veterinary**

- Required Courses
  - BIOL 1214 – Principles of Biology I
  - BIOL 1224 – Principles of Biology II
  - BIOL 2224 – Microbiology
- Additional Required Course Sequence:
  - BIOL 2210 – Human Anatomy & Physiology I
  - BIOL 2225 – Human Anatomy & Physiology II
- Or
  - CHEM 1214 – General Chemistry I
  - CHEM 1224 – General Chemistry II
- 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 1154 – General Biology
  - BIOL 2224 – Microbiology
  - BIOL 2210 – Human Anatomy & Physiology I
  - BIOL 2225 – Human Anatomy & Physiology II
  - CHEM 2114 – Allied Health Chemistry
  - PSYC 2213 – Developmental Psychology
- Recommended Courses
  - BIOL 2233 – Science of Nutrition
  - COMM 1113 – Public Speaking
  - MATH 1350 – Introduction to Statistics

Each of the six content areas are associated with three essential skills.

Communication: Communication, Critical Thinking, Information and Digital Literacy

Mathematics: Communication, Critical Thinking, Quantitative Reasoning

Science: Critical Thinking, Personal and Social Responsibility, Quantitative Reasoning

Social and Behavioral Science: Communication, Critical Thinking, Personal and Social Responsibility

Humanities: Critical Thinking, Information and Digital Literacy, Personal and Social Responsibility

Creative and Fine Arts: Communication, Critical Thinking, Personal and Social Responsibility

Each essential skill is made up of component skills. More information on component skills and the state General Education models can be found on [New Mexico Higher Education Department's website](#).

## New Mexico General Education and Common Course Numbering

During the 2017 New Mexico Legislative session, Senate Bill 103, was signed into law to further enhance and facilitate the articulation of general education courses among New Mexico's colleges and universities. In accordance with policies established by the New Mexico Higher Education Department, designated general education core courses successfully completed at any regionally accredited public institution of higher education in New Mexico are guaranteed to transfer to any New Mexico public institution. Students enrolling for the first year of study at a New Mexico college or university and considering possible transfer into a certificate and/or degree program at another institution are encouraged to take the courses approved for transfer during their freshman and sophomore year of study.

The goal of the general education model is to focus on essential skills that are needed by today's college graduates to be successful as they pursue advanced degrees and/or careers. All students will be required to complete at least 22 credit hours ("Fixed 22") in the following six content areas: Communications (6 credits), Mathematics (3 credits), Science (4 credits), Social and Behavioral Science (3 credits) and Creative/Fine Arts (3 credits). Another 9 credit hours ("Flexible 9") from the content areas previously listed or other content areas the school deems appropriate.

Each general education course must contain three essential skills which can be communication, quantitative reasoning, critical thinking, information and digital literacy, and personal and social responsibility.

## NMMI – General Education – Fixed 22

New Mexico Military Institute's Fixed 22 is composed of the following: Communications (6 hrs), Mathematics (3 hrs), Science (4 hrs), Social & Behavioral Sciences (3 hrs), Humanities (3 hrs) and Creative & Fine Arts (3 hrs).

<b>Area I: Communications</b>	<b>6 Semester Hours</b>
ENGL 1110 – Composition I	6 hours
COMM 1113 – Public Speaking	
<b>Area II: Mathematics</b>	<b>3 Semester Hours</b>
MATH 1130 – Survey of Mathematics	3-4 hours
MATH 1150 – Business Math	
MATH 1220 – College Algebra	
MATH 1250 – Trigonometry & Pre-Calculus	
MATH 1350 – Introduction to Statistics	
MATH 1510 – Calculus I	
<b>Area III: Laboratory Science (Class and Lab)</b>	<b>4 Semester Hours</b>
ASTR 1115 – Introduction to Astronomy	4 hours
BIOL 1154 – General Biology	
BIOL 1214 – Principles of Biology I	
CHEM 1120 – Introduction to Chemistry	
GEOL 1214 – Physical Geology	
GEOL 1224 – Historical Geology	
GEOL 1234 – Environmental Geology	

PHYS 1104 – Introduction to Physics

PHYS 1230 – Algebra-Based Physics

PHYS 2215 – Engineering Physics I

**Area IV: Social & Behavioral Sciences**      **3 Semester Hours**

ANTH 1140 – Intro to Cultural Anthropology    3 hours

BUSA 2460 – Business Ethics

CJUS 1110 – Introduction to Criminal Justice

ECON 2110 – Macroeconomic Principles

ECON 2120 – Microeconomic Principles

GEOG 1165 – People and Place

POLS 1110 – Introduction to Political Science

POLS 1120 – American National Government

POLS 2110 – Comparative Politics

POLS 2120 – International Relations

POLS 2160 – State and Local Government

PSYC 1110 – Introduction to Psychology

PSYC 2110 – Social Psychology

PSYC 2210 – Abnormal Psychology

PSYC 2230 – Psychology of Adjustment

SOCI 1110 – Introduction to Sociology

SOCI 2240 – Sociology of Intimate

Relationships and Family

**Area V: Humanities**      **3 Semester Hours**

ARBC 1110 – Arabic I      3 hours

CHIN 1110 – Mandarin Chinese I

COMM 1003 – Intro to Mass Communication

COMM 1053 – Journalism

COMM 1213 – Interpersonal Communication

COMM 2103 – Intro to Film Studies

COMM 2113 – Cinema History

DRAM 1013 – Drama as Literature

ENGL 1213 – Creative Writing

ENGL 1403 – Bible as Literature

ENGL 2610 – American Literature I

ENGL 2620 – American Literature II

ENGL 2630 – British Literature I

ENGL 2640 – British Literature II

FREN 1113 – Elementary French I

HUMN 1103 – Leadership Development  
Studies

PHIL 1113 – Introduction to Philosophy

PHIL 1203 – World Religions

PHIL 2013 – Ethics

PHIL 2023 – Logic

PHIL 2113 – Greek Philosophy

PHIL 2123 – Modern Philosophy

SPAN 1110 – Spanish I

Any Modern Language

**Area VI: Creative & Fine Arts**      **3 Semester Hours**

ARTS 1103 – Color and Composition      1-3 hours

ARTS 1053 – Drawing

ARTS 1403 – Computer Graphic Design

ARTS 1903 – Stained Glass

ARTS 1913 – Stained Glass II

ARTS 1993 – Portfolio Enhancement

ARTS 2023 - Painting

ARTS 2113 – Art History I

ARTS 2123 – Art History II

COMM 1353 – Introduction to Digital Film  
Making

DRAM 1031 – Theater Production I (1 hr)

DRAM 1041 – Theater Production II (1 hr)

ENGL 13#3 – Photojournalism and Narrative  
with Book Publishing

MUSC 1011 – Band I (1 hr)

MUSC 1031 – Jazz Band I (1 hr)

MUSC 1051 – Concert Choir (1 hr)

MUSC 1071 – Catholic Chapel Choir (1 hr)

MUSC 1091 – Protestant Chapel Choir (1 hr)

MUSC 1111 – Applied Music Lessons (1 hr)

MUSC 1131 – Vocal Ensemble (1 hr)

MUSC 1303 – Music Appreciation

MUSC 1403 – Fundamentals of Music Theory



## NMMI – General Education – Flexible 9

New Mexico Military Institute's Flexible 9 is composed of the following: Humanities (3 hrs), English (3 hrs) and History (3 hrs)

### **Humanities** **3 Semester Hours**

Please refer to courses listed in our Fixed 22 Humanities course list. You may not repeat a course previously taken. 3 hours

### **English** **3 Semester Hours**

ENGL 1130 – Composition II 3 hours

ENGL 2110 – Professional & Technical Communications

BUSW 2113 – Business Writing

ENGL 2610 – American Literature I

ENGL 2620 – American Literature II

ENGL 2630 – British Literature I

ENGL 2640 – British Literature II

### **History** **3 Semester Hours**

HIST 1110 – United States History I 3 hours

HIST 1120 – United States History II

HIST 1130 – World History I

HIST 1140 – World History II

HIST 1150 – Western Civilization I

HIST 1160 – Western Civilization II

# ROTC Program

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New Mexico Military Institute offers a two-year Basic Course or Advanced Course of Senior ROTC in the college. The curriculum of the college program is administered by the Military Science Department as prescribed by the Department of the Army. Credit for each course of instruction is transferable among the institutions offering Army ROTC. All cadets are required to participate in the ROTC program, in drills, parades, reviews, ceremonies, inspections, and practical training exercises germane to the ROTC program. Cadets are required to enroll in the appropriate ROTC class (MS 1/3) in their first year of attendance.

In addition to Military Science (MSL) courses, requirements for the Army commission include completion of an undergraduate course in American military history, this must be taken prior to commissioning.

## Advanced Course Army ROTC

*General:* The Early Commissioning Program (ECP) offered at NMMI is one of only five ECP options in the nation. Officer training and ROTC curriculum is comprised of three phases. The Basic Officer Leadership Course (BOLC), Phase I includes Pre-Commissioning Training (ROTC). BOLC II is a six-week course conducted at one of two US Army posts that occurs after lieutenants' graduate from their four-year university. The final phase (Phase III) is the Officer Basic Course where lieutenants learn their specific military skill before additional training opportunities or before joining their units. The Advanced Course at New Mexico Military Institute permits a junior college graduate to complete all the requirements for a U.S. Army commission and, unique to the MJC program, be commissioned in only two years. The program consists of the following major phases:

**Cadet Initial Entry Training (CIET):** CIET is a 28 day course operated by the U.S. Army at Fort Knox, Kentucky, during the summer preceding entrance at NMMI as a college freshman. Applications for attendance must be made to the PMS prior to April 15 to permit adequate time for processing. Graduation from CIET qualifies cadets to enter the Advanced Course (MSL III)

In accordance with Army regulations and with the specific approval of the PMS, it is possible to waive the CIET requirement for participation in the Advanced Course program based on three or more years of prior accredited JROTC training or for completion of basic training with any branch of the Armed Forces.

**The Cadet Leader Course (CLC) (Warrior Forge):** Warrior Forge is a 33-day course operated by the U.S. Army at Fort Knox, Kentucky. Attendance is scheduled for advanced course cadets during the summer between the cadet's freshman and sophomore years. Cadets may also request airborne, air assault, or other Army special courses, to include two/three weeks with an active Army unit for leadership training.

**Eligibility:** The program is open to all cadets who meet the following qualifications:

**Academics:** Have an acceptable score on either the ACT or SAT college entrance exam per ROTC guidelines, and be a high school graduate with a minimum GPA of 2.50 on the 4.0 scale or equivalent (C average).

**Age:** Be at least 17 years and able to complete the program (at NMMI) before reaching age 30.

**Physical:** Pass a Department of Defense Medical Review Board (DODMERB) physical and successfully pass the US Army physical fitness test (APFT) consisting of push-ups/sit-ups and a two-mile run. To contract into the SROTC program, a cadet must score a minimum of 60 points each in all three events of the APFT.

**Loyalty:** Be an American citizen and pass a National Security Agency check.

**Obligation:** A cadet who desires to pursue a U.S. Army commission is required to sign a contract which guarantees the cadet a commission in the Army Reserve, provided he or she satisfactorily completes the prescribed course of ROTC instruction. In turn, the cadet agrees to serve on active duty as a commissioned officer for four years plus four years with the Army Reserve.

**Monetary Considerations:** A contract cadet receives the following allowances: (Current dollar values are available from the NMMI Military Science Department).

**Stipend:** \$450 per month while enrolled in college during the cadet's freshman and \$500 in the sophomore years at NMMI (nine-month school year). Ten months/ year \$4500 /5000 total.

**Uniform Commutation:** Approximately \$1400.00.

**CIET:** Transportation is provided or travel expenses are reimbursed; food, clothing, and housing are provided, and the cadet is paid approximately \$800 for the four-week course.

**Warrior Forge:** Transportation is provided or travel expenses are reimbursed; food, clothing, and housing are provided, and the cadet is paid at the same rate (Approximately \$950) as a cadet at the U.S. Military Academy for the four-week period of summer training.

**Simultaneous Membership Program (SMP):** Cadets who are members of the National Guard or Army Reserve may be eligible for cadet status in pay grade E5 (242 per month) with the National Guard or Army Reserve while in the Advanced Course. These cadets attend monthly drills with their units or another unit at a time that does not interfere with ROTC or CLC.

**Commissioning options:** Upon completion of MS III and MS IV instruction (end of sophomore year), cadets will receive their commissions as second lieutenants in the U.S. Army Reserve. They then have up to three years to obtain their baccalaureate degree. During these three years, they are required to affiliate with National Guard or Army Reserve units as second lieutenants (earning time in service benefits). They may apply for active duty prior to receiving their baccalaureate degree.

## NMMI Academic Excellence

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**Baccalaureate Degree:** Upon receipt of the baccalaureate degree, a reserve officer from the ECP program may enter active duty for four years or may request duty for training (three to six months) and subsequent reserve force duty. Though granted on a very limited basis, they may also apply for an educational delay to attend graduate school.

**Regular Army Commission:** Advance ROTC cadets in the upper half of their academic class and in the upper third of their military class, possessing the required outstanding traits of leadership, character, and general military aptitude, may be designated a Distinguished Military Cadet (DMS). If they retain superior ratings until obtaining a baccalaureate degree, they can be designated a Distinguished Military Graduate (DMG).

### Army ROTC Basic Course

College cadets not qualified for participation in the advanced course program (MS III, MS IV) may enroll in the non-contract ROTC Basic Course (MS, MS II). This program prepares cadets for advanced ROTC participation in their final two years of college. They take MS I and MS II at NMMI and MS III and MS IV at a college of their choice. These cadets participate at NMMI in classroom instruction and may participate in practical field training exercises. There is no military obligation incurred by taking the basic course. (MSL 1 or 2)

### Army ROTC Scholarships

The U.S. Army has authorized the PMS to process two-year Army ROTC scholarships. Competition for two-year scholarships is based upon academic performance, extracurricular and athletic activities and a telephonic or personal interview conducted by the ROTC Recruiting Operations Officer. The applicant must complete CIET in order to validate the two-year scholarship. Additionally, the PMS has scholarships that can be awarded based upon participation in Junior ROTC (PMS discretion) or completion of basic training. The scholarships provide for the payment of all tuition, most books and all fixed school laboratory fees for the scholarship period, or room and board. Scholarship winners must enroll in MS III and sign a contract (see obligations) if they desire to use their two-year ROTC scholarship

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

### NMMI 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.

## Gateway Programs

The "Gateway" or a 2+2 program enables two years of study at NMMI and two subsequent years at a participating four-year university leading to the award of a Bachelor of Arts or Science degree in a particular major. At present, Gateway Program agreements exist with:

- Norwich University in Criminal Justice
- New Mexico State University in Physical Training
- The University of New Mexico in the Bachelor of University Studies with concentrations in National Security Studies and EMS (Emergency Medical Services)
- Embry Riddle University in Technical Management
- Additional programs with Texas Tech, Texas Christian University, University of Texas at El Paso, and University of Akron.

In some cases, acceptance into the NMMI Gateway Program guarantees acceptance into a four year program at the participating four-year institution of higher learning. Two current examples:

- Pre-Nursing Programs. Qualified NMMI cadets enrolled in the Nursing Gateway Program will receive four year ROTC scholarships to include two years of study at NMMI leading to a pre-nursing Associate of Science degree followed by two years at Carson-Newman University or The University of Akron culminating in the award of a Bachelor of Science in Nursing degree (BSN). Successful completion of the Associate Degree at NMMI guarantees entrance to Carson-Newman and continuation of the ROTC scholarship. Upon receipt of the BSN, the graduate will be eligible for appointment as an officer in the U.S. Army’s Nurse Corps. Successful completion of the NMMI Pre-nursing curriculum will also result in any student being extremely competitive if they choose to apply for admission to a BSN program at any college or university with a ROTC component. scholarships to include two years of study at NMMI leading to a pre-nursing Associate of Science degree followed by two years at Carson-Newman University or The University of Akron culminating in the award of a Bachelor of Science in Nursing degree (BSN). Successful completion of the Associate Degree at NMMI guarantees entrance to Carson-Newman and continuation of the ROTC scholarship. Upon receipt of the BSN, the graduate will be eligible for appointment as an officer in the U.S.

Army's Nurse Corps. Successful completion of the NMMI Pre-nursing curriculum will also result in any student being extremely competitive if they choose to apply for admission to a BSN program at any college or university with a ROTC component.

# 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. (No academic credit)

Credit Hours: .00

## ACCT 2110 - Principles of Accounting I

Introduces fundamental accounting principles and procedures. Examines present accounting theory and practices with applications to the sole proprietorships, partnerships, and corporations. Students will demonstrate an understanding of accounting basics, including journalizing, posting, preparing a trial balance, and adjusting entries. Students will learn how to prepare financial statements, closing entries, and a post closing trial balance. Students will demonstrate an understanding of inventory methodology, operational assets and depreciation, accrued liabilities, and equity ownership. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

Credit Hours: 4.0

Satisfies a Requirement: Business Concentration

Prerequisite: Successful completion of a college level business course with a "C" or better.

## ACCT 2120 - Principles of Accounting II

Application of theory and practice to partnership and corporations, manufacturing operations, cost determination, financial statement analysis and Federal tax considerations. Students will learn how to prepare a Statement of Cash Flows and a differential analysis report for decision making. Students will demonstrate an understanding of job cost and process-cost systems, variance analysis calculations, traditional costing and activity-based costing, and capital investment decisions. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

Credit Hours: 4.0

Satisfies a Requirement: Business Concentration

Prerequisite: ACCT 2110

## 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.

Credit Hours: .25 - Area: High School

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. This requirement applies to students entering Fall 2015 as freshmen, sophomores, and juniors.

## 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: .00

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

## ANTH 1140 - Introduction to Cultural Anthropology

Cultural Anthropology is the study of human societies; the various ways in which contemporary peoples create and are created by cultural processes. The course does not try to cover all the branches of anthropology; focusing specifically on cultural anthropology as practiced in the United States. Culture is central to the human adaptation to physical, social and psychological environments. Besides exploring how culture influences important areas of human experience, this course attempts to provide insight into how cultural anthropologists do what they do--what problems they encounter and what techniques they use. This is an introductory course that seeks to develop students' skills in the understanding of unfamiliar and diverse societies that exist in various geographical areas of the world; the interpretation of cultural differences, emphasizing a cross view of human adaptations; and provide an overview of the important findings, concepts, methods, and applications of cultural anthropology. It examines a wide range of different kinds of social organization and provides, among other topics, introductory information on comparative linguistics, economics, political systems, kinship, and religion.

Credit Hours: 3.0 - Area: IV

Satisfies a Requirement: Social & Behavioral Sciences

Prerequisite: None

## ARB 011 - Arabic 1A

Arabic 1A is the first year Arabic language course for students who have no background in Arabic. This course fulfills part of the Foreign Language graduation requirement. Beginning Arabic introduces the Arabic alphabet 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. Vocabulary units cover words used to describe everyday surroundings and actions. Grammar topics include non-verbal sentences, present tense verbs, beginning Arabic sentence structure, including noun-adjective agreement and the idaafa structure. 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, locations and flags of Arabic-speaking countries as well as cultural norms involving vocabulary such as greetings, clothing items and holidays. Students will also be introduced to the history and basic customs of the Islamic religion as well as important figures and landmarks related to the religion. 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: .50 - Area: High School

Satisfies a Requirement: Foreign Language

Note: Lab fee

## ARB 012 - Arabic 1B

Arabic 1B is the second half of the first year Arabic language course for students who have no background in Arabic. This course fulfills part of the Foreign Language graduation requirement. 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 everyday circumstances and surroundings for a typical student as well as those used to describe trips and vacations. Grammar topics include present and past tense verb forms, noun-adjective agreement and the proper use of pronouns. 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 salient historical events from the Middle Ages to the present as well as important political and geographical aspects of the modern Arabic-speaking world. 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. ARB 021 Arabic 2A is the intermediate Arabic language course for students who initially had no background in Arabic and successfully

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Foreign Language

Prerequisite: ARB 011 or permission of the instructor/department

Note: Lab fee

#### ARB 021 - Arabic 2A

Arabic 2A is the intermediate Arabic language course for students who initially had no background in Arabic and successfully completed both semesters of Beginning Arabic. This course fulfills part of the Foreign Language graduation requirement. Intermediate Arabic I continues the study of basic vocabulary and grammar topics and the development of the four language skills of listening, speaking, reading and writing. Vocabulary units include a review and expansion of previous topics as well as new vocabulary topics that can be used to describe everyday surroundings and circumstances. Grammar topics include review and additional practice of the three tenses as well as continued practice of Arabic syntax. Students should be able to communicate at an intermediate level using the basic vocabulary and grammar covered up to this point and should be able to understand and produce paragraph length passages. One day per week is dedicated to practice in the language lab using multimedia materials available on-line. Students will also view and discuss Arabic language movies from Palestine. 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: .50 - Area: High School

Satisfies a Requirement: Foreign Language

Prerequisite: ARB 012 or permission of the instructor/department

Note: Lab fee

#### ARB 022 - Arabic 2B

Arabic 2B is the second half of the Intermediate Arabic language course for students who initially had no background in Arabic and successfully completed both semesters of Beginning Arabic. This course fulfills part of the Foreign Language graduation requirement. Arabic 2B continues the study of basic vocabulary and grammar topics and the development of the four language skills of listening, speaking, reading and writing. Vocabulary topics include geography, landmarks, careers, politics and news. Grammar topics include various types of complex sentences, the jussive and subjunctive moods, negation in the various tenses and the introduction of commands. Students should be able to communicate at an intermediate level using the basic vocabulary and grammar covered up to this point and should be able to understand and produce paragraph-length passages. One day per week is dedicated to practice in the language lab using multimedia materials available on-line. Students will also view and discuss Arabic language movies from various Arabic-speaking countries. 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: .50 - Area: High School

Satisfies a Requirement: Foreign Language

Prerequisite: ARB 021 or permission of the instructor/department

Note: Lab fee required

#### ARB 110 – Arabic I

Arabic I is the first year Arabic language course for students who have no background in Arabic. This course fulfills part of the Humanities graduation requirement. Beginning Arabic introduces the Arabic alphabet 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. Vocabulary units cover words used to describe everyday surroundings and actions. Grammar topics include non-verbal sentences, present tense verbs, beginning Arabic sentence structure, including noun-adjective agreement and the idaafa structure. 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. Cultural topics include the

names, locations and flags of Arabic-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.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

Note: For the non-native speakers. Students with previous experience in Arabic should consult the department for proper placement. Students should enroll sequentially in language courses.

#### ARBC 1120 - Arabic II

Arabic II is the second half of the first year Arabic language course for students who have no background in Arabic. This course fulfills part of the Humanities graduation requirement. It continues 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. Vocabulary units cover words for describing the everyday circumstances and surroundings for a typical student as well as those used to describe trips and vacations. Grammar topics include present and past tense verb forms, noun-adjective agreement and the proper use of pronouns. 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. 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: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: ARBC 1110

#### ARBC 1130 – Arabic I Intensive

Arabic I Intensive is the first year Arabic language course for students who have no background in Arabic and covers all of the material for first-year Arabic in one semester. This course fulfills the Humanities graduation requirement. Beginning Arabic introduces the Arabic alphabet 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. Vocabulary units cover words used to describe everyday surroundings and actions. Grammar topics include non-verbal sentences, present and past tense verbs, beginning Arabic sentence structure, including noun-adjective agreement and the idaafa structure. 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 Arabic-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 Arabic knowledge or experience should consult with the instructor for proper placement.

Credit Hours: 6.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: None.

#### ARBC 1997 – Independent Study – Arabic

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

Credit Hours: TBD

Prerequisite: Instructor permission required

#### ARBC 2110 - Arabic III

Arabic III is the second year Arabic language course for students who initially had no background in Arabic and successfully completed both semesters of Beginning Arabic. This course fulfills part of the Humanities graduation requirement. Arabic III continues the study of basic vocabulary and grammar topics and the development of the four language skills of listening, speaking, reading and writing. Vocabulary units include a review and expansion of previous topics as well as new vocabulary topics that can be used to describe

everyday surroundings and circumstances. Grammar topics include review and additional practice of the three tenses as well as continued practice of Arabic syntax. Students should be able to communicate at an intermediate level using the basic vocabulary and grammar covered up to this point and should be able to understand and produce paragraph length passages. 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: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: ARBC 1120 or three years of high school Arabic, or permission of the instructor

#### ARBC 2120 - Arabic IV

Arabic IV is the second year Arabic language course for students who initially had no background in Arabic and successfully completed both semesters of Beginning Arabic. This course fulfills part of the Humanities graduation requirement. Arabic IV continues the study of basic vocabulary and grammar topics and the development of the four language skills of listening, speaking, reading and writing. Vocabulary topics include geography, landmarks, careers, politics and news. Grammar topics include various types of complex sentences, the jussive and subjunctive moods, negation in the various tenses and the introduction of commands. Students should be able to communicate at an intermediate level using the basic vocabulary and grammar covered up to this point and should be able to understand and produce paragraph-length passages. 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: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: ARBC 2110

#### ARBC 2130 – Arabic II Intensive

Arabic II Intensive is the second year Arabic language course for students who successfully completed Arabic I/II or its equivalent and covers all of the material for second-year Arabic in one semester. This course fulfills the Humanities graduation requirement. Continues the study of basic vocabulary and grammar topics. Students are expected to develop intermediate communicative competency in the four language skills of listening, speaking, reading and writing. Vocabulary units cover words used to describe everyday situations as well as geography and landmarks. Grammar topics include a review of non-verbal, present and past tense sentences as well as an introduction to complex sentences and commands. 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 paragraph-length passages. Cultural topics include the names and locations for geographical features and landmarks of Arabic-speaking countries as well as cultural norms surrounding family units, food and careers. 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.

The prerequisite for this course is successful completion of Arabic II or Arabic I Intensive. Students with prior Arabic knowledge should consult the Modern Languages Department for placement. This course is not open to native speakers of Arabic or students who have completed second-year Arabic.

Credit Hours: 6.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: ARBC 1120 or ARBC 1130

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Fine/Practical Art

#### 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.

Credit Hours: .50 - Area: Art

Satisfies a Requirement: Fine/Practical Art

ART 011 or permission of instructor.

#### ARTS 1053 - Drawing

Develops basic approaches to drawing. Emphasizes learning to see natural and man-made objects in contour, gesture, direction, proportion, shading.

Credit Hours: 3.0

Satisfies a Requirement: Does not meet a Humanities requirement.

#### 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: Does not meet Humanities requirement.

#### 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. Lab fee required.

Credit Hours: 3.0

Satisfies a Requirement: Does not meet Humanities requirement.

#### 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: Does not meet Humanities requirement

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

Satisfies a Requirement: Does not meet Humanities requirement

Note: Lab fee required. Student will work with glass.

#### 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 2113 - Art History I

ARTS 2113 is a history of Western art from cave paintings to the beginning of the Renaissance. 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 Paleolithic period to the Renaissance. 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 - Area: V

Satisfies a Requirement: Humanities

#### 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 - Area: V  
Satisfies a Requirement: Humanities

#### ASTR 1115L - Astronomy Lab

Laboratory portion of Astronomy 1114. This course is designed to teach the fundamentals of modern astronomy. It introduces the constellations, planets and basic astronomical theories. The course demonstrates how Galileo, Newton and Einstein used astronomy to lead in the development of modern science. Catastrophic consequences of astronomical events upon civilization will be addressed as well as responses by leaders.

Credit Hours: 0.0 - Area: Area III  
Note: Lab fee required

#### ASTR 1115 - Astronomy

This course is designed to teach the fundamentals of modern astronomy. It introduces the constellations, planets and basic astronomical theories. The course demonstrates how Galileo, Newton and Einstein used astronomy to lead in the development of modern science. Catastrophic consequences of astronomical events upon civilization will be addressed as well as responses by leaders.

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

#### BCIS 1110 - Fundamentals of Information Literacy and Systems

This course seeks to achieve an understanding of the use and importance of information technology to include basic terminology, identifying and using hardware components, application software, operating system software, communication systems, and business software (database, spreadsheets and Internet search engines) utilizing current technologies for research, individualized learning, and preparation of assignments. In addition, students will explain important ethical, security and privacy issues in information systems while identifying both the societal and international impacts of information technology. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

Credit Hours: 3.0  
Note: Lab fee required.

Satisfies a Requirement: Business Elective. This course will not satisfy the high school CIS 017 Computer Literacy requirement.

#### 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.

Credit Hours: .50 - Area: High School  
Satisfies a Requirement: Lab Science

Note: Lab fee required

#### 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

Credit Hours: .50 - Area: High School  
Satisfies a Requirement: Lab Science  
Note: Lab fee required

#### 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.

Credit Hours: .50 - Area: High School  
Satisfies a Requirement: Lab Science  
Prerequisite: BIO 021  
Note: Lab fee required

#### 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.

Credit Hours: .50 - Area: High School  
Satisfies a Requirement: Lab Science  
Prerequisite: BIO 021  
Note: Lab fee required

#### BIOL 1150L - General Biology Lab

Laboratory portion of BIOL 1154 a comprehensive survey course in general college biology. Studies the basis for and understanding of the current concepts of life and the structures and functions of living organisms. Includes the origin and evolution of life, genetics, metabolism, and the kingdoms of life. Three hours class/one hour lab. Recommended for non-science majors and may serve as a prerequisite for individual BIOL courses other than 1214 and 1224.

Credit Hours: 0.0 - Area: III  
Satisfies a Requirement: Laboratory Science  
Note: Lab fee required. Student may not take both 1154 and either 1214 or 1224.

#### BIOL 1154 - General Biology

Comprehensive survey course in general college biology. Studies the basis for and understanding of the current concepts of life and the structures and functions of living organisms. Includes the origin and evolution of life, genetics, metabolism, and the kingdoms of life. Three hours class/one hour lab. Recommended for non-science majors and may serve as a prerequisite for individual BIOL courses other than 1214 and 1224.

Credit Hours: 4.0 - Area: (Area III)  
Satisfies a Requirement: Laboratory Science  
Note: Recommended for non-science majors. Student may not take BIOL 1154 and BIOL 1214 or 1224 for credit.

#### BIOL 1160 – Forensics Lab

Lab portion of Forensics. Forensics is a one semester course, which awards four credits of college credit. The curriculum is aligned with the National Science Standards. The primary focus of Forensics is a multidisciplinary course. It encompasses concepts in areas of science and math. We will use concepts in anatomy and physiology, biology, chemistry, genetics, physics, algebra, geometry. This class will be lab intensive and will require strict attendance and participation. This class will be focused on lab analysts' techniques.

Credit Hours: 0.0 - Area: (Area III)  
Satisfies a Requirement: Laboratory Science  
Note: Lab fee required.

#### BIOL 1164 - Forensics

Forensics is a one semester course, which awards four credits of college credit. The curriculum is aligned with the National Science Standards. The primary focus of Forensics is a multidisciplinary course. It encompasses concepts in areas of science and math. We will use concepts in anatomy and physiology, biology, chemistry, genetics, physics, algebra, geometry. This class will be lab intensive and will require strict attendance and participation. This class will be focused on lab analysts' techniques.

Credit Hours: 4.0 - Area: (Area III)

Satisfies a Requirement: Laboratory Science

#### BIOL 1210L - Principles of Biology I Lab

Laboratory portion of the first of two consecutive college biology courses designed for science majors. Principles I Includes the chemistry of life, cell structure and function, basic metabolic pathways, genetics, biotechnology and evolution/speciation. The course concludes with a survey of kingdoms Prokaryota, Protista, Fungi, and plant taxonomy, structure and function.

Credit Hours: 0.0 - Area: III

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Student may not take both BIOL 1214/1224 and 1154.

#### BIOL 1220L - Principles of Biology II Lab

The laboratory portion of the second of two consecutive college biology courses designed for science majors. Principles II includes a survey of the animal kingdom, invertebrate and vertebrate, animal structure and function including organs and organ systems. The course concludes with discussions of taxonomy, diversity and ecological principles with emphasis on population and community ecology.

Credit Hours: 0.0 - Area: III

Satisfies a Requirement: Laboratory Science

Note: Lab fee required. Student may not take both 1154 and either 1214 or 1224.

#### BIOL 1214 - Principles of Biology I

The first of two consecutive college biology courses designed for science majors. Principles I Includes the chemistry of life, cell structure and function, basic metabolic pathways, genetics, biotechnology and evolution/speciation. The course concludes with a survey of kingdoms Prokaryota, Protista, Fungi, and plant taxonomy, structure and function.

Credit Hours: 4.0 - Area: (Area III NMCCN BIOL 1214 -1224)

Satisfies a Requirement: Laboratory Science

Note: Credit from both classes will satisfy one lab science sequence for the AS degree. Recommended for science majors. Student may not take both BIOL 1214/1224 and BIOL 1154 for credit.

#### BIOL 1215 - Biology for Environmental Sciences

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 - Area: (Area III NMCCN)

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1154 or 1214

#### BIOL 1215L - Biology for Environmental Sciences Lab

Lab portion of Biology for Environmental Science 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

Prerequisite: BIOL 1154 or 1214

Note: Lab fee required

#### BIOL 1224 - Principles of Biology II

The second of two consecutive college biology courses designed for science majors. Principles II includes a survey of the animal kingdom, invertebrate and vertebrate, animal structure and function including organs and organ systems. The course concludes with discussions of taxonomy, diversity and ecological principles with emphasis on population and community ecology.

Credit Hours: 4.0 - Area: (Area III NMCCN BIOL 1214 -1224)

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1214

Note: Credit from both classes will satisfy one lab science sequence for the AS degree. Recommended for science majors. Student may not get credit for both BIOL 1214/1224 and BIOL 1154.

#### 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 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 1154, BIOL 1214 or BIOL 1224

#### 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. Concurrent enrollment in BIOL 2210 is required.

Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1154, BIOL 1214 or BIOL 1224

Note: Lab fee required

#### BIOL 2220L - Microbiology Laboratory

Lab for Microbiology which identifies the structure, function, and physiology of microorganisms, including bacteria, protozoans, algae, fungi, and viruses, as well as their role in the community and impact on human health. Emphasis is placed on the medical aspects of microbiology.

Credit Hours: 0.0 - Area: III

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1154 or 1214

Note: Lab fee required

#### BIOL 2224 - Microbiology

Identifies the structure, function, and physiology of microorganisms, including bacteria, protozoans, algae, fungi, and viruses, as well as their role in the community and impact on human health. Emphasis is placed on the medical aspects of microbiology. Requires enrollment in BIOL 2220L.

Credit Hours: 4.0 - Area: III

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1154 or 1214

#### 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. Concurrent enrollment in BIOL 2225L (laboratory) is required.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 2210 Human Anatomy & Physiology I or consent of the instructor



#### 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. Concurrent enrollment in BIOL 2225 is required.  
Credit Hours: 0.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 2210 Human Anatomy & Physiology I or consent of the instructor

Note: Lab fee 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. Pre-requisite: BIOL 1154 or 1214.

Credit Hours: 3.0

Prerequisite: BIOL 1154 or 1214

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

#### 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

Prerequisite: BIOL 1154 or 1214

Note: Lab fee 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 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: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: BIOL 1154 or 1214

#### BIOL 2903 - Special Problems in Biology

Special problems in biology. Topic to be determined.

Credit Hours: 1.0 to 3.0 - Area:

Prerequisite: Instructor permission

Note: Credits variable from 1.0 to 3.0 depending on topic and instructor syllabus

#### BKEY 0903 - Keyboarding

Keyboarding is a developmental course for college that 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 uses individualized learning for the preparation of assignments, and is not for students who have received credits for a similar course. Lab fee required, may not take if student completed CIS 015 (NMMI high school course).

This course is a developmental course and will not be used for graduation requirements. This course may be used for residency and eligibility requirements, but not the 60.0 hour graduation requirement.

Credit Hours: 3.0

Note: It is a self-paced course. Lab fee required. May not take (repeat) if completed CIS 015 (high school course). May not be used for graduation requirements.

#### BLAW 2113 - Business Law

Investigates the basic principles of tort law and their application to business problems. Includes: court system, legal procedures, law of contracts, agency, employment, negotiable instruments, personal property, and sale of goods.

Credit Hours: 3.0

#### 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.

Credit Hours: .50 - Area: High School

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

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

#### BUS 036 - Advanced General Business

Provides a deep understanding of the functions of business organizations within a global economic and social environment. Specific emphasis upon business organizations, structure and decision-making processes. Explore career opportunities in the business world.

Credit Hours: .50 - Area: High School

Prerequisite: BUS 035 – General Business

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

Note: Recommended for juniors and seniors

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Seniors and recommended juniors

#### 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.

Credit Hours: .50 – Area: High School

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Successful completion of Algebra 2 MTH 033/MTH 034

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

#### BUSA 1110 - Introduction to Business

Introduction to Business is designed for a first year business student emphasizing business concepts with real world examples. Each major area of business is introduced to the student for their consideration in choosing an area of major emphasis for future study. These areas include management, marketing, production, finance, accounting, and management information. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

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

Satisfies a Requirement: Social & Behavioral Science

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

Prerequisite: ENGL 1110. This course can satisfy three of the six semester hour core English requirements. Cross tally ENGL 2210

Note: Students successfully completing this course may not enroll in ENGL 2210

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

Laboratory for Introduction to Chemistry (CHEM 1120; a preview course). Course meets the 60.0 hours required for graduation, but does not meet the Associate in Science (AS) lab science requirement. Course Objectives: CHEM 1120 is a one-semester course that provides an overview of many areas in chemistry. Topics included, but not limited to, are matter and energy, periodic table, metric system, reaction types, mole concept and chemical bonding.

Credit Hours: 0.0 - Area: III

Satisfies a Requirement: AA Lab Science

Note: Lab fee required. Does not meet AS lab science requirement.

CHEM 1120 – Introduction to Chemistry (non majors)

Introduction to Chemistry (a preview course). Course meets the 60.0 hours required for graduation, but does not meet the Associate in Science (AS) lab science requirement. Course Objectives: Chemistry 1104 is a one-semester course that provides an overview of many areas in chemistry. Topics included, but not limited to, are matter and energy, periodic table, metric system, reaction types, mole concept and chemical bonding. Lab is required.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Prerequisite: High school Algebra 2 or higher math

Note: Does not meet the AS lab science requirement.

CHEM 1210L - General Chemistry I Laboratory

Lab portion of CHEM 1214. Introduces the fundamental theories and principles of chemistry. Course will cover atoms, molecules, ions, chemical reactions, bonding and reactions in aqueous solutions, thermo chemistry, quantum theory, electronic structures, and periodic relationships/elements. Transfers as main-stream (general) chemistry for all majors. No previous chemistry course work is required.

Credit Hours: 0.0 - Area: III

Satisfies a Requirement: Laboratory Science

Note: Lab fee required

CHEM 1214 - General Chemistry I

Introduces the fundamental theories and principles of chemistry. Transfers as main-stream (general) chemistry for all majors. No previous chemistry course work is required. Course will cover atoms, molecules, ions, chemical reactions, bonding and reactions in aqueous solutions, thermo chemistry, quantum theory, electronic structures, and periodic relationships/elements.

Credit Hours: 4.0 - Area: (Area III NMCCN CHEM 1214)

Satisfies a Requirement: Laboratory Science

Prerequisite: High school Algebra 2 or higher math

Note: Lab fee required

CHEM 1220L - General Chemistry II Laboratory

Laboratory for CHEM 1224. Introduces the fundamental theories and principles of chemistry. Course covers intermolecular forces, physical properties of solutions, chemical kinetics and equilibrium, acids and bases, entropy, nuclear reactions and synthetic/natural organic polymers. Transfers as main-stream (general) chemistry for all majors.

Credit Hours: 0.0 - Area: III

Satisfies a Requirement: Laboratory Science

Prerequisite: CHEM 1214

Note: Lab fee required

CHEM 1224 - General Chemistry II

Introduces the fundamental theories and principles of chemistry. Course covers intermolecular forces, physical properties of solutions, chemical kinetics and equilibrium, acids and bases, entropy, nuclear reactions and synthetic/natural organic polymers. Transfers as main-stream (general) chemistry for all majors.

Credit Hours: 4.0 - Area: (Area III NMCCN CHEM 1224)

Satisfies a Requirement: Laboratory Science

Prerequisite: High school Algebra 2 or higher math. Must pass CHEM 1214 to enroll in CHEM 1224.

Note: Lab fee 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 - Area: III

Satisfies a Requirement: Laboratory Science

Note: Lab fee 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 - Area: III

Satisfies a Requirement: Laboratory Science

#### CHIN 1110 - Mandarin Chinese I

Mandarin Chinese I is the first year Mandarin Chinese course for students who have no prior experience in Chinese. This is a general education course that fulfills one of the Humanities graduation requirements. This course develops beginning competency in the skills of listening, speaking, reading and writing. Students will develop an elementary acquaintance with the Chinese writing system as well vocabulary and grammar that can be used in basic everyday communicative situations. Students will work towards understanding and producing basic sentence-length passages on a consistent basis.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

#### CHIN 1120 - Mandarin Chinese II

Beginning Chinese is the first year Mandarin Chinese course for students who have no prior experience in Chinese. This is a general education course that fulfills one of the Humanities graduation requirements. This course develops beginning competency in the skills of listening, speaking, reading and writing. Students will continue to develop an elementary acquaintance with the Chinese writing system as well vocabulary and grammar that can be used in basic everyday communicative situations. Students will continue to work towards understanding and producing basic sentence-length passages on a consistent basis.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: Mandarin Chinese I or departmental placement

#### CHIN 1806 – Accelerated Chinese I

This is an accelerated, one semester course 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: 6.0 - Area: V

Satisfies a Requirement: Humanities

#### 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 – Chinese III

Mandarin Chinese III is the second year Chinese language course for students who initially had no background in Chinese and successfully completed both semesters of Mandarin Chinese I/II. This course fulfills part of the Humanities graduation requirement. Mandarin Chinese III continues the study of basic vocabulary and grammar topics and the development of the four language skills of listening, speaking, reading and writing. Students should be able to communicate at an intermediate level using the basic vocabulary and grammar covered up to this point and should be able to understand and produce paragraph-length passages. 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: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: Mandarin Chinese II or departmental placement

#### CHIN 2120 - Mandarin Chinese IV

Mandarin Chinese IV is the second year Chinese language course for students who initially had no background in Chinese and successfully completed Mandarin Chinese III. This course fulfills part of the Humanities graduation requirement. Mandarin Chinese IV continues the study of basic vocabulary and grammar topics and the development of the four language skills of listening, speaking, reading and writing. Students should be able to communicate at an intermediate level using the basic vocabulary and grammar covered up to this point and should be able to understand and produce paragraph-length or longer passages. Students who successfully complete this course should be prepared to continue with third year courses and major in Chinese at their next school. 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: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: Mandarin Chinese III or departmental placement

#### CHIN 2806 – Accelerated Chinese II

This is a one-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: 6.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: Mandarin Chinese II or Accelerated Chinese I

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Lab Science

Prerequisite: MTH 021-022 with a minimum grade of C

Note: Lab fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Lab Science

Prerequisite: CHM 031

Note: Lab fee required

#### 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 Foreign 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: Foreign 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 Foreign 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.

Credit Hours: .50

Satisfies a Requirement: Foreign 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.

Credit Hours: .50

Prerequisite: CHN 012 or permission of the instructor/department.

Satisfies a Requirement: Foreign 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.

Credit Hours: .50

Prerequisite: CHN 021 or permission of the instructor/department.

Satisfies a Requirement: Foreign 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.

Credit Hours: .50

Prerequisite: CHN 022 or permission of the instructor/department.

Satisfies a Requirement: Foreign 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.

Credit Hours: .50

Prerequisite: CHN 031 or permission of the instructor/department.

Satisfies a Requirement: Foreign 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.

Credit Hours: .50

Prerequisite: CHN 032 or permission of the instructor/department.

Satisfies a Requirement: Foreign 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.

Credit Hours: .50

Prerequisite: CHN 041 or permission of the instructor/department.

Satisfies a Requirement: Foreign 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.

Credit Hours: .50 - Area: High School

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.

Credit Hours: .50 - Area: High School

Prerequisite: ENG 021

Satisfies a Requirement: Computer Literacy

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

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Communication

#### COMM 1003 - Introduction to Mass Communications

Intro to Mass Communication gives students a basic understanding of mass communication and its effects on society. The course develops critical thinking skills by teaching students how to interpret and comprehend mass communication messages (media literacy). Studies include the history, theories, development, and impacts of various forms of mass communication on popular culture and society including newspapers, magazines, radio, television, motion pictures, and advertising and the course will consider legal and ethical aspects of mass communication.

Credit Hours: 3.0

Note: Does not meet communications or humanities requirements.

#### COMM 1053 - Journalism

Journalism builds upon composition skills learned in previous English courses and applies those skills to journalistic writing with a focus on print media. Students will learn the fundamentals and conventions of news writing, the different types of stories, and the tasks assigned to journalists, and the skills required to develop such stories with the goal of having their stories published in the school newspaper.

Credit Hours: 3.0

Note: Does not meet communications or humanities requirement

#### COMM 1113 - Public Speaking

Public Speaking 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.

Credit Hours: 3.0 - Area: (Area 1 COMM 1113 NMCCN)

Satisfies a Requirement: Communications

Note: Only communications course to meet NMMI Communications requirements (3 credit hours)

#### COMM 1353 - Introduction to Digital Film Making

Intro to Digital Film Making examines basic film elements to understand the general overview of the process of digital film making. Students will obtain hands on experience in developing a script, using a camera to create effective visual scenes, and learn the fundamentals of non-linear editing. The course covers all three production phases- preproduction, production and post production, focusing on creating video projects.

Credit Hours: 3.0

Note: Does not meet communications or humanities 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 2103 - Introduction to Film Studies

Introduction to Film Studies explores film as a unique and contemporary art form and will focus on various aspects of film such as cinematic techniques, film genres, and filmmaking styles. Popular films will be screened to analyze story arcs, filming techniques, symbolism, character development, and etc. Through the viewing and analysis of films, students will develop their observational and critical thinking skills with regard to cinema.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

Note: Does not meet communications requirement.

#### COMM 2113 - Cinema History

Cinema History is a chronological survey of the evolution of film from precursors- flip books, magic lanterns and hand shadows to the present day cinematic entertainment experience. The course explores the movie industry, cinema as art, and as an expression of society's values, ideologies, and technological developments. The course also covers the evolution of cinema and studies the elements that impacted its development. Archived films will be screened and analyzed to enable students to develop their observational and critical thinking skills with regard to cinema.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

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

#### CJUS 1110 – Introduction to Criminal Justice

This course is an introduction to the history, contemporary issues, and aspects of the American Criminal Justice System. Subject areas examined include the following: US Constitution; American criminal justice history; principles of ethical leadership and management; root causes of criminal behavior; crime and justice in America; transnational crime and terrorism; victimization and criminal behavior; rule of law, police operations and issues; ethical conduct and court procedures; trial processes, punishment and sentencing; corrections and probation; prison goals and corrections management; parole release programs; and the juvenile justice system. The course curriculum will focus on presenting the field of criminal justice as an integral part of an interdisciplinary academic area of study in association with other disciplines such as criminology, philosophy, sociology, law, history, psychology, and political science. Course research and discussions include the study of emerging political, social and racial issues and understanding the present dynamics (i.e., current events) that affect the criminal justice system. Research and discussions will also center on how transnational crime, world-wide terrorism, and the globalization of crime has created the merging of US federal, military, state and local criminal agencies into a what is now known as Homeland Security. This class is open to all college students and is considered a core social science course needed for graduation. This class is a criminal justice concentration requirement.

Credit Hours: 3.0 – Area: IV

Satisfies a Requirement: Social & Behavioral Sciences

Note: This is the only criminal justice course that may be used to meet a Social & Behavioral Sciences requirement. Due to the content, this class is not available to high school students.

#### CJUS 1120 - Criminal Law

This course reviews the historical development of criminal law and its use by the criminal justice system. We will deal with substantive criminal law, that is, the part of law which defines criminal acts and determines whether or not particular persons accused of crimes are indeed guilty. We will examine the common law origins of the elements of the criminal law and its contemporary forms. Emphasis is placed on the evaluation of an offense and the elements that need to be presented for case preparation from initial contact to the conclusion of the trial.

Credit Hours: 3.0

#### CJUS 1170 - Criminology

Emphasis is on theories of crime and juvenile delinquency. Topics will include: street crime, organized crime, white-collar crime, terrorism and the role of substance abuse in criminality and delinquency. Course will explore the extent and causes of criminal behavior, analysis of crime in relationship to other social problems and the nature of society's response to crime. The study of criminology examines why crime takes place, the extent of crime; and the impact of crime on the wider society, the immediate neighborhood, and the family. Criminology also studies the measures and programs needed to prevent and control crime and criminal behavior.  
Credit Hours: 3.0

#### CJUS 2150 - Corrections System

This course is an introduction to the history of corrections. The course examines the purposes of corrections. Within the curriculum an understanding of the interconnections of corrections with other criminal justice components, correctional ideologies, historical influences, and societal changes are studied and analyzed. Alternatives to imprisonment are examined such as probation; diversion centers, intermediate sanctions and parole are examined and discussed. Emphasis is placed upon the study of the effects of long imprisonment and adopted social behaviors as a result of long-term incarceration. An analysis of institutionalized individuals are review such as female and male inmates, juveniles and other classification of inmates such as geriatric, high risk and gang affiliated inmates are discussed and reviewed. The course will examine management issues within the correctional environment such as prison disturbances, riots, overcrowding, staffing and violence within the prison. A detailed review of the Attica, New York state Prison and the new Mexico State Penitentiary riots will be analyzed. The evolution of constitutional issues and the rights of inmates and ex-offenders are examined. The use of the death penalty, parole, and probation are examined. Local jails will be examined to include an analysis of their purposes and historical context within the American correctional system. This class is a concentration requirement for criminal justice students. Course is available for college level students and a select group of high school students.

Credit Hours: 3.0

Prerequisite: CJUS 1110

Note: Due to the content, this class is not available to high school students. Not a Social & Behavioral Sciences requirement course.

#### CJUS 2220 - The American Law Enforcement System

The course is a comprehensive study of the history, development and current perspectives involving The American Law Enforcement System, community policing, law enforcement ideologies, administration, methodologies and operations. The course curriculum includes an in-depth analysis of the historical influences of American law enforcement which includes an overview of the contributions made by national and international law enforcement officers (e.g., Peel, Hoover, Pinkerton, Parker, and Vollmer). The curriculum involves understanding the parameters of federal, state and local agencies to include The Department of Homeland Security. Furthermore, in-depth analyses are conducted in regards to comprehensive study/discussion of current events, political and media bias and exploitation. Extensive discussion/research is conducted on police organization and administration at the municipal and county levels to include patrol methodologies, strategies, community-oriented policing and problem solving. Contemporary issues (social and multicultural), current events, civil liability, ethical accountability and behavior, corruption, use of force, personnel issues and job related stress factors are thoroughly examined and discussed. The influx of illegal immigration on American law enforcement, drug cartel influences, anti-terrorist operations, hate crimes and the homeless are analyzed and discussed. The course discusses in depth as to what constitutes good and bad law enforcement leadership. Special police topics such as the LAPD CRASH Rampart unit are examined to identify the breakdown in police-community relations and police administrative and tactical leadership. This class is a concentration requirement for criminal justice students.

Credit Hours: 3.0

Prerequisite: CJUS 1110

Note: Not open to high school students and 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

#### DRAM 1013 - Drama as Literature

Provides a Theater Arts survey of drama as literature from the Greeks to 1700, and from 1700 to the present. Requirements include a critical paper and the assumption of leadership roles in public productions.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

#### DRAM 1031 - Theater Production I

Provides exercises and workshops in theater skills, stagecraft and technical support or production.

Credit Hours: 1.0 - Area: VI

Satisfies a Requirement: Creative & Fine Arts

#### DRAM 1041 - Theater Production II

Provides exercises and workshops in theater skills, stagecraft and technical support or production.

Credit Hours: 1.0 - Area: VI

Satisfies a Requirement: Creative & Fine Arts

#### 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 fulfills a humanities requirement and helps prepare students for a major/minor in theatre.

Credit Hours: 3.0 - Area: VI

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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Economics

Prerequisite: HIS 021/HIS 022

#### ECON 2110 - Principles of Macro Economics

This course studies the economic system governing the productive apparatus; while identifying underlying social and economic goals, exploring opportunity cost, comparative and absolute advantage, laws of supply and demand, aggregate supply and aggregate demand, measuring and determining national income, employment, and inflation; and introducing fiscal and monetary policy analysis, through critical analysis and problem solving practices. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

Credit Hours: 3.0 - Area: IV (NMCCN ECON 2110)

Satisfies a Requirement: Social & Behavioral Sciences and Business Concentration

#### ECON 2120 - Principles of Macro Economics

This course introduces microeconomic theory. It emphasizes opportunity cost, consumer behavior and choice, utility analysis, production decisions, producer choice and cost analysis, market structures, and demand and supply relationships in the marketplace and will be utilizing a critical thinking and problem solving approach. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

Credit Hours: 3.0 - Area: IV (NMCCN ECON 2120)  
Satisfies a Requirement: Social & Behavioral Sciences and Business  
Concentration

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: English

Note: Fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: English

Note: Fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: English

Note: Fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: English

Note: Fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Communication

Note: Does not meet an English requirement.

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: English

Note: Fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: English

Note: Fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: English

Note: Fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: English

Note: Fee required

#### 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: HS Communication Skills

Prerequisite: ENG 031

#### ENGL 0993 - Basic Writing

Provides the fundamentals of composition in standard English, with an emphasis on the sentence and short writing tasks. Students should be co-enrolled in developmental reading.

Credit Hours: 3.0 - Area: Developmental

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

Note: Developmental course which does not count towards graduation requirements, but may be used for residency or athletic eligibility requirements. Student must earn a "C" to move on from this course.

#### 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 1110 - Composition I

This mandatory core curriculum standard edited American English course is intended to strengthen collegiate level writing. Students will apply rhetorical models to a variety of writing challenges, including (and especially) the use of research to create persuasive writing employing MLA style. Students will demonstrate mastery of writing, reading, thinking, research, and presentation skills across the collegiate curriculum.

Credit Hours: 3.0 - Area: I (ENGL 1110 NMCCN)

Satisfies a Requirement: English

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 I II

This core curriculum English course continues the practices of ENGL 1110, while focusing on analytical and critical writing in response to literature. Students will use writing to strengthen their reading, thinking, research, and presentation skills through the study of poetry, scripts, short fiction, and long fiction.

Credit Hours: 3.0 - Area: I (ENGL 1120 NMCCN)

Satisfies a Requirement: English

Prerequisite: ENGL 1110

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

#### ENGL 1323 - Photojournalism and Narrative with Book Publishing

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

This English course emphasizes the theory and practice of writing in technical and scientific fields. Students will use a variety of writing processes to create technical documents, including correspondence, resumes and CV's, analyses, research and proposals. Students will use writing as a tool to improve their reading, thinking, research and presentation skills.

Credit Hours: 3.0 - Area: I (ENGL 2210 NMCCN)

Satisfies a Requirement: English

Prerequisite: ENGL 1110

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

#### ENGL 2610 - American Literature I

This survey English course of early American Literature emphasizes a chronologic reading of American authors beginning in the Colonial period and ending just before the turn of the twentieth century. By comparing literary developments with historical contexts and cultural influences, students will sharpen their reading, writing, critical thinking, research, and presentation skills.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: English or Humanities

Prerequisite: ENGL 1110

#### ENGL 2620 - American Literature II

This survey English course continues the study of ENGL 2610 that emphasizes a chronologic reading of American authors from the turn of the twentieth century and into the twenty-first. By studying major and minor works and exploring the literary, political, and cultural contexts from which they spring, students will sharpen their reading, writing, critical thinking, research, and presentation skills.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: English or Humanities

Prerequisite: ENGL 1110

#### ENGL 2630 - British Literature I

This survey course of early English Literature emphasizes the roots and masters the first millennia of English writing with some attention to minor authors, cultural background and political trends. By studying the works of Chaucer, Spencer, Shakespeare, Donne, Johnson, Milton, Dryden, Swift, and Pope, students will strengthen their reading, writing, thinking, research, and presentation skills.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: English or Humanities

Prerequisite: ENGL 1110

#### ENGL 2640 - British Literature II

This survey course of late English Literature continues the study of British traditions in literature and emphasizes the literary movements and masters of the nineteenth, twentieth and twenty-first centuries. By studying the works of Austen, Blake, Wordsworth, Byron, Yeats, Bronte, Keats, Joyce, Wilde, Shaw, and Eliot students will strengthen their reading, writing, thinking, research and presentation skills.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: English or Humanities

Prerequisite: ENGL 1110

#### ENGL 2403 - Special Topics in Literature

This elective survey English course emphasizes a thematic reading of literature announced at the beginning of each semester. Through studying material centered on a literary theme across centuries, countries, and cultures, students will sharpen their reading, writing, thinking, research, and presentation skills.

Credit Hours: 3.0

Prerequisite: ENGL 1110

#### ENGL 2993 – 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.

#### 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 or permission from instructor

#### 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: Successful completion of ENGR 1103 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

Note: Lab fee required. This course does not fulfill 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

#### ENR 011 - Introduction to Engineering Design

This is the first semester of a year-long high school course through Project Lead The Way (PLTW), which is a foundation course in the PLTW Engineering Program. In IED-A students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common engineering design and development protocols such as project management and peer review. Students will develop skills in technical representation and documentation of design solutions according to accepted technical standards, and they will use current 3D design and modeling software to represent and communicate solutions. In addition the development of computational methods that are commonly used in engineering problem solving, including statistical analysis and mathematical modeling, are emphasized. Ethical issues related to professional practice and product development are also presented.

Credit Hours: .50 - Area: High School

Prerequisite: Corequisite of MTH 033 or higher

#### ENR 012 - Introduction to Engineering Design II

This is the second semester of a year-long high school course through Project Lead The Way (PLTW), which is a foundation course in the PLTW Engineering Program. In IED-B utilizing the activity project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common engineering design and development protocols such as project management and peer review. Students will continue to develop skills in technical representation and documentation of design solutions according to accepted technical standards, and they will use current 3D design and modeling software to represent and communicate solutions. In addition the development of computational methods that are commonly used in engineering problem solving, including statistical analysis and mathematical modeling, are emphasized. Ethical issues related to professional practice and product development are also presented.

Credit Hours: .50 - Area: High School

Prerequisite: ENR 011

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Lab Science

Note: Lab fee required

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Lab Science

Note: Lab fee required

#### FREN 1113 - Elementary French I

Elementary French I is an introductory French course at the first-year college level. 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 elementary everyday topics from modern French textbook materials and are expected to develop beginning level competency in the skills of listening, speaking, reading and writing. This course has a lab component.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

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

#### FREN 1123 - Elementary French II

Second-semester college elementary French continues the learning of French vocabulary, pronunciation and grammar. The prerequisite is successful completion of FREN 1113 or FREN 1114. Current cultural information will be presented in meaningful communicative activities to continue oral interaction in French. Students will study elementary everyday topics from modern French textbook materials and are expected to develop beginning level competency in the skills of listening, speaking, reading and writing.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: FREN 1113, FREN 1114 or permission of the instructor

#### 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 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: FREN 1123, FREN 1124 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 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: FREN 2113, FREN 2114 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 Foreign 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Foreign Language

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Foreign Language

Prerequisite: FRN 011 or permission of the instructor/department

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Foreign Language

Prerequisite: FRN 012 or permission of the instructor/department

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Foreign Language

#### FYEX 1110 – First Year Seminar

First Year Seminar is intended to give students the comprehensive living and learning experiences that will foster their smooth transition to college and academic life. The course will also gear at reinforcing leadership qualities in students, as well as enhancing personal growth and social responsibility awareness.

Credit Hours: 2.0

#### GEOG 1165 - People and Place

Studies the natural environment and its transformation by human activities. An interdisciplinary study, combining principles and information from the natural sciences (Physical Geography) and from Human Geography to present a general understanding of how nature functions and how humans are a modifying force.

Credit Hours: 3.0 - Area: IV (NMCCN)

Satisfies a Requirement: Social & Behavioral Sciences

#### GEOG 2140 – Economic Geography

Concentrates on economic patterns. The course introduces several theories of economic activity: general theory of land use, agricultural location theory, plant location theory, central place theory; with emphasis on cultural-economic relationships. Recommended for business majors.

Credit Hours: 3.0 - Area: IV (NMCCN)

Satisfies a Requirement: Social & Behavioral Sciences

#### GEOL 1210L - Physical Geology Laboratory

Lab portion of GEOL 1214. Surveys the geological processes in light of the concept of plate tectonics. Laboratory work includes the identification of rocks and minerals, geologic processes, geologic and topographic map interpretation. The lab helps to reinforce compliment the physical geology lecture.

Credit Hours: 0.0 - Area: III

Satisfies a Requirement: Laboratory Science

Note: Lab fee required

#### GEOL 1214 - Physical Geology

Geology is the study of the Earth; this course will focus on physical geology through the examination of the basic structure and composition of the materials that comprise the Earth, and the processes that underlie major geologic phenomena. Studies will include the geologic time table, mineral and rock creation and identification concepts; plate tectonics, volcanism, earthquake activity, dynamic processes on the Earth's surface, mapping and geologic structures.

Credit Hours: 4.0 - Area: III

Satisfies a Requirement: Laboratory Science

#### GEOL 1220L - Historical Geology Laboratory

This lab surveys historical geology in light of the dynamic processes that have created the continents and life on Earth. Lab exercises include fossil identification, understanding the rock record, geologic time and using

physical evidence to trace the history of life on our planet. The lab helps to reinforce compliment the historical geology lecture.

Credit Hours: 0.0 - Area: III

Satisfies a Requirement: Laboratory Science

Note: Lab fee required

#### GEOL 1224 - Historical Geology

Historical geology is designed to introduce students to the art and science of interpreting Earth history. The class will emphasize the record of sedimentary rocks and the effects of plate tectonic activity throughout Earth's History. We will explore the dynamic changes and evolution of the earth and its life over the last 4.5 billion years. Special reference is given to North America.

Laboratory exercises use fossils and physical evidence to trace the history of the Earth.

Credit Hours: 4.0 - Area: III

Satisfies a Requirement: Laboratory Science

#### GEOL 1230L - Environmental Geology Lab

Environmental Geology Laboratory. This is an applied geology course that will introduce students to our natural environment and the human interactions and everyday problems with our environment and global community from a geological perspective. The course explores how geological and atmospheric events impact human activity; students critically evaluate the problems and potential solutions to natural and environmental disasters. Overpopulation, resource consumption, global climate change, waste disposal issues, natural hazards, and the role that our civilization plays in these issues will be examined, debated, and assessed.

Credit Hours: 0.0

Note: Lab fee required

#### GEOL 1234 - Environmental Geology

This is an applied geology course that will introduce students to our natural environment and the human interactions and everyday problems with our environment and global community from a geological perspective. The course explores how geological and atmospheric events impact human activity; students critically evaluate the problems and potential solutions to natural and environmental disasters. Overpopulation, resource consumption, global climate change, waste disposal issues, natural hazards, and the role that our civilization plays in these issues will be examined, debated, and assessed.

Credit Hours: 4.0

Satisfies a Requirement: Laboratory Science

Note: GEOL 1230L (Corequisite)

#### GVT 031 - American Government

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

Credit Hours: .50

Satisfies a Requirement: Government

Prerequisite: HIS021/022

#### 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.

Credit Hours: .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.

Credit Hours: .50

Satisfies a Requirement: World History

#### HIS 012 - World History since 1500

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

Credit Hours: .50

Satisfies a Requirement: World History

#### 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.

Credit Hours: .50

Satisfies a Requirement: U.S. History

Prerequisite: HIS 011/012

#### 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.

Credit Hours: .50

Satisfies a Requirement: U.S. History

Prerequisite: HIS 011/012

#### HIST 1110 - United States History I

Surveys the political, economic, social, and cultural development of the United States from colonial beginnings through 1877. Particular attention is given to various political, social, and economic movements, as well as U.S. place in world affairs.

Credit Hours: 3.0

Satisfies a Requirement: History

Note: Requirement for History concentration.

#### HIST 1120 - United States History II

Studies the history of the United States from the end of Reconstruction (1870's) to the present. Particular attention is also given various political, social, and economic movements, as well as U.S. place in world affairs.

Credit Hours: 3.0

Satisfies a Requirement: History

Note: Required course for History concentration.

#### HIST 1130 - World History I

Surveys major civilizations of the world from their origins to 1500. Course examines contributions of Asian, African, Islamic, Western and American civilizations while highlighting the interrelationships between them. Course is both thematic and chronological.

Credit Hours: 3.0

Satisfies a Requirement: History

Note: World history and not western civilization.

#### HIST 1140 - World History II

Surveys major civilizations of the world (Asia to Americas) from 1500 to the present. Course examines development and diffusion of modern culture throughout the world in the 19th and 20th centuries. Emphasis is on the interaction of the West on traditional cultures.

Credit Hours: 3.0

Satisfies a Requirement: History

#### HIST 1150 - Western Civilization I

Studies the social, economic, political, philosophical, and aesthetic development of humans from antiquity to the end of the Medieval period. This course attempts to have students understand the parallels between past and contemporary history to better comprehend the political and social realities of the contemporary world situation.

Credit Hours: 3.0

Satisfies a Requirement: History

#### HIST 1160 - Western Civilization II

Studies the social, economic, political, philosophical, and aesthetic development of humans from the end of the Medieval period.(1500 AD) to modern times. This course attempts to have students understand the parallels between past and contemporary history to better comprehend the political and social realities of the contemporary world situation.  
Credit Hours: 3.0  
Satisfies a Requirement: History

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  
Surveys the development of American military institutions, policies, experiences, and traditions in peace and war from colonial times to the present. Emphasizes the relationship between military and other aspects of American society and the role of the military in the establishment, expansion, preservation, and development of the nation. This course may be taken in place of one of the following: Military Science 1 or 2 (non-contract MS program).  
Credit Hours: 3.0  
Satisfies a Requirement: AA History requirement  
Note: Will not suffice for AS History (one course) requirement.

HPER 1113 - Health and Wellness  
Students will develop a theoretical and practical knowledge of all components of health and wellness as related to mental, emotional, physical, social, environmental and consumer health.  
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 1233 - Introduction to Physical Therapy  
Introductory course exploring the foundations of the profession of physical therapy.  
Credit Hours: 3.0  
Note: Course consists of four modules appropriate for prephysical therapy students.

HPER 1253 - Sports Safety, First Aid and Emergency Care  
This course will cover policies, practices, and issues related to safety in sports, first aid and emergency care.  
Credit Hours: 3.0

HPER 1313 - Performance Nutrition  
This course is designed to provide physically active people and competitors with factual information on essential nutrients, metabolism during exercise and specific problems experienced by athletes or highly active people.  
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 - Fitness for Health and Sports  
Lecture course with selected activity and learning experiences regarding principles and methods for developing and maintaining physical fitness.  
Credit Hours: 3.0

HPER 1813 - Introduction to Parks and Recreation  
Gives the fundamentals involved in the development of the field of recreation, designed to provide students with a knowledge of Federal, State, and local recreation programs and practices in the activities included. Presents information on the history, philosophy, scope and value of parks and recreation services.  
Credit Hours: 3.0

HPER 1913 - Introduction to Sports Management  
This course will provide the student with an understanding of the conceptual frameworks used in sport management and acquaint the student with the sports industry.  
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 2323 - General Medical Conditions  
This course will provide the prospective athletic trainer with the knowledge and skill necessary to recognize, manage, and refer the general medical conditions and disabilities in athletes and physically active individuals.  
Credit Hours: 3.0

HPER 2353 - Sports Injuries  
This course provides students with an intensive, thorough study of orthopedic evaluation techniques used within the clinical and on-field environments to assess athletic related injuries. Normal joint kinematics and subsequent pathomechanics are also discussed.  
Credit Hours: 3.0

HPER 2413 - Motivation and Leadership Psychology  
Designed to help physical educators, coaches, recreation specialists, and others interested in human motivation to more effectively understand this complex topic and to use that knowledge to help enhance the performance of themselves, their students, athletes or clients/consumers.  
Credit Hours: 3.0 - Area:

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 2521 - Coaching and Leadership Practicum  
Course provides the resources for leadership and coaching development. Time management, analytical skills, leadership, physical fitness and performance psychology are topics in the course.  
Credit Hours: 1.0

HPER 2542 - Theory and Techniques of Athletics  
Course is designed to expose students to the fundamental motor skills involved in running, jumping, tumbling and throwing.  
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 2712 - Theory and Technique of Aquatics

This course is designed to expose students to the fundamental skills involved in swimming, diving, and water survival.

Credit Hours: 2.0

#### HPER 2733 - Water Safety Instruction

Gives the student the skills and knowledge necessary to teach Red Cross swimming courses. Students who satisfactorily complete the course are certified as Red Cross Water Swimming Instructors and will learn lifeguard and CPR techniques.

Credit Hours: 3.0

Prerequisite: Pre-class water test.

#### HPER 2913 - Athletic Clinical Practicum

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

Credit Hours: 3.0

#### HPER 2923 - Clinical Practicum II

This is one in a series of courses designed to give students field experience in the profession of athletic training. This course is designed to educate the student on practical skills in patient care and rehabilitation, preventative taping and wrapping, evaluation of injuries, recognition of the etiology of injuries, anatomy, modality usage and professionalism. Students will be able to locate basic anatomical structures with the ankle, knee and shoulder; be able to identify basic mechanisms of injury for the ankle, knee and shoulder; be able to properly apply therapeutic modalities under the supervision under the supervision of a certified athletic trainer to include heat, cold, ultrasound and electrical stimulation; have a functional understanding of the evaluation process; and be able to apply basic taping, wrapping, and bracing techniques to the extremities.

Credit Hours: 3.0

#### HUMN 1103 - Leadership Development Studies

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 - Area: V

Satisfies a Requirement: Humanities

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Lab Science

#### 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.

Credit Hours: .50 - Area: High School

Satisfies a Requirement: Lab Science

Prerequisite: IPS 021

#### 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

#### 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

#### 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.

Credit Hours: .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.

Credit Hours: .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.

Credit Hours: .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.

Credit Hours: .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.

Credit Hours: .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.

Credit Hours: .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.

Credit Hours: .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.

Credit Hours: .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: Does not count towards graduation credit hours, but does count for eligibility and residency requirements.

#### MATH 1013 – Intermediate Algebra

Topics covered include exponents, radicals, factoring, linear equations, quadratic equations, polynomials, systems of linear equations, inequalities, and problem solving. 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 60.0 hour graduation requirement. Math placement scores will be used to determine enrollment in this course.

Credit Hours: 3.0

Note: This course may be used to meet residency and eligibility requirements and used to fulfill the 60.0 hour graduation requirement. However, it does not fulfill the math requirement for graduation.

#### MATH 1130 - Survey of Mathematics

Includes topics with modern applications such as numeration systems, consumer mathematics and financial management, measurement, geometry, probability and statistics, voting and apportionment, and graph theory.

Meets the mathematics requirement for the AA degree but does not meet the AS degree math requirement.

Credit Hours: 3.0 - Area: II

Satisfies a Requirement: AA Mathematics

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 - Area: II

Satisfies a Requirement: Mathematics

Prerequisite: MATH 1013 Intermediate Algebra or equivalent.

Note: Meets both AA and AS mathematics requirement.

#### MATH 1215 – Intermediate Algebra

Topics covered include exponents, radicals, factoring, linear equations, quadratic equations, polynomials, systems of linear equations, inequalities, and problem solving. 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 placement scores will be used to determine enrollment in this course. Uses the ALEKS software.

Credit Hours: 3.0

Note: This course may be used to meet residency and eligibility requirements and used to fulfill the 60.0 hour graduation requirement. However, it does not fulfill the math requirement for graduation.

#### MATH 1220 - College Algebra

Presents the typical course in college algebra. Topics include functions, graphs, polynomials, rational, exponential, and logarithmic functions, linear systems, and inequalities. This course includes use of graphing calculator (TI-83, TI-84, TI-84+) as a math tool.

Credit Hours: 3.0 - Area: II (NMCCN MATH 1220)

Satisfies a Requirement: Mathematics

Prerequisite: Requires either proper placement from the math placement test and/or two years ("C" grade) of high school algebra. NMMI high school students must meet the two year high school algebra requirement before taking this course. Successful completion of Intermediate Algebra in lieu of math placement test.

#### MATH 1230 - Trigonometry

Covers unit circle, right angle trigonometry, trigonometric functions, trigonometric identities and equations, radian measure, inverse trigonometric functions, and applications. Students may enroll concurrently in MATH 1220 College Algebra.

Credit Hours: 3.0 - Area: II (NMCCN MATH 1230)

Satisfies a Requirement: Mathematics

Prerequisite: High school algebra II, MATH 1013 Intermediate Algebra or satisfactory score on math placement examination.

#### MATH 1250 – Trigonometry & Pre-Calculus

Studies functions necessary for students planning to take calculus. Topics include polynomial functions, rational functions, exponential functions, logarithmic functions, inverse functions, and trigonometric functions. Major emphasis is placed on trigonometric topics and includes the unit circle, trigonometric graphs, right angle trigonometry, and inverse trigonometric functions. Graphical and algebraic analyses of these functions are covered with emphasis.

Credit Hours: 4.0 - Area: II

Satisfies a Requirement: Mathematics

Prerequisite: MATH 1220 College Algebra or an advanced math course beyond Algebra II in high school, or a satisfactory score on the math placement exam.

#### MATH 1350 - Introduction to Statistics

Introduces beginning topics in statistics, including random samples, organizing data, measures of central tendency and dispersion, probability theory, binomial and normal distributions, central limit theorem, estimation, hypotheses testing, regression and correlation. Applications of all preceding topics will be covered.

Credit Hours: 3.0 - Area: II

Satisfies a Requirement: Mathematics

Prerequisite: MATH 1220 (College Algebra) or MATH 1013 (Intermediate Algebra) with a grade of "B" or better.

Note: Formerly MATH 2313

MATH 1430 - Calculus for Business and Social Science

Introduces differential and integral calculus with application to business, economics, the behavioral and life sciences.

Credit Hours: 3.0 - Area: II

Satisfies a Requirement: Mathematics

Prerequisite: MATH 1220 or 1173

MATH 1510 - Calculus I

Presents material in the first of a three semester sequence designed for students majoring in engineering, mathematics, computer science, or the physical sciences. The sequence approaches the topics in a graphical and numerical interpretation as well as the standard symbolic method. Proofs of important theorems are covered. Topics covered include parametric equations, limits, continuity, derivatives, analysis of functions using the derivative, applications of the derivative, and the Fundamental Theorem of Calculus. A computer algebra system (CAS) will be incorporated.

Credit Hours: 4.0 - Area: II (NMCCN MATH 1510)

Satisfies a Requirement: Mathematics

Prerequisite: A minimum grade of "C" in MATH 1220 College Algebra and MATH 1230 Trigonometry or in MATH 1250 Trigonometry & Pre-Calculus or equivalent experience or a satisfactory score on the math placement exam.

MATH 1520 - Calculus II

Presents material in the second component of the three semester sequence. Topics covered includes the Fundamental Theorem of Calculus, antiderivatives, definite integrals, methods of integration, improper integrals, applications of the definite integral including volumes of revolution, elementary differential equations, sequences, series, power series and Taylor series.

A computer algebra system (CAS) will be incorporated.

Credit Hours: 4.0 - Area: II (NMCCN MATH 1520)

Satisfies a Requirement: Mathematics

Prerequisite: Minimum grade of "C" in MATH 1510 Calculus I

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

Note: Student may not enroll in MCIS 2413 after completing this course

MATH 2530 - Calculus III

Presents material in the third component of the three semester sequence.

Topics covered includes geometry in the plane and in space, parametric equations, vectors, conic sections, polar coordinates, vector functions, cylindrical and spherical coordinates, vector calculus, partial differentiation, multiple integration with applications. A computer algebra system (CAS) will be incorporated.

Credit Hours: 4.0 - Area: II

Satisfies a Requirement: Mathematics

Prerequisite: A minimum grade of "C" in MATH 1520 Calculus II.

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 - Area: II

Satisfies a Requirement: Mathematics

Prerequisite: A minimum grade of "C" in MATH 2530 (Multivariable Calculus/Calc III).

Note: You must possess an understanding of the concepts of differential, integral and multivariable calculus and are skilled in using the concepts.

MCIS 1810L - Computer Science I Lab

Lab component of MCIS 1814

Credit Hours: 0.0

MCIS 1813 - Programming in C++

Introduces structured programming and software engineering in C++. The course emphasizes the systematic development of algorithms and programs as well as techniques for testing, debugging, and documenting them.

Microsoft Visual C++ is used. Lab fee required.

Credit Hours: 3.0

Prerequisite: MATH 1220

Note: Lab fee required

MCIS 1814 - Computer Science I

Computer Science I introduces structured programming, object-oriented programming, and software engineering. This course emphasizes the systematic development of programs as well as techniques for testing, debugging, and documenting. 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.

Credit Hours: 4.0

Prerequisite: Student must be ready to enter ENGL 1110 (Composition I I) and MATH 1250 (Trigonometry & Pre-Calculus)

Note: MCIS 1810L (Corequisite)

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

MCIS 1823 - C++ Data Structures

Focuses on the specification, the application, and the implementation of abstract data types in C++. Computer science theory and software engineering principles are stressed. Microsoft Visual C++ is used.

Credit Hours: 3.0  
Prerequisite: MCIS 1813  
Note: Lab fee 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

Note: MCIS 1820L (Corequisite)

#### 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 1814 and MCIS 1824 (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

#### 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 (Computer Science II), MCIS 2414 (Discrete Mathematics) and MATH 1510 (Calculus I). Concurrent enrollment allowed with MATH 1510.

Note: MCIS 2810L (Corequisite)

#### MCS 011 - Introduction to Computer Science

Designed to be the first computer science course for high-school students who have never programmed before, Introduction to Computer Science is an optional starting point for the PLTW Computer Science program. Students work in teams to create apps for mobile devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.

Credit Hours: .50 - Area: High School

#### MGMT 2110 - Principles of Management

This course presents managerial functions as they apply to business. Planning, organizing, communications, controlling, motivating, leading and staffing are examined in depth. Additional topics include the history of management thought, key managerial skill sets, ethical and social responsibilities, goal and strategy formulation, adapting to organizational change and identifying stakeholders while demonstrating critical and reflective thinking practices. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

Credit Hours: 3.0

Satisfies a Requirement: Business Elective

#### MKTG 2110 - Principles of Marketing

This course is an introduction to basic concepts and principles of marketing management. Topics include ethical responsibilities and issues, market segmentation, targeting and positioning, market research, marketing environments, branding strategies, product planning and development, pricing, promotion and distribution strategies, and factors influencing purchase decisions. Students will recognize the role of critical thinking, leadership, and ethics in making effective business decisions.

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

#### 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

#### 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

#### 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

#### 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

#### MTH 006 - Math Basic Skills

Students will enter this course basic on their math placement score and/or first day assessment test. This course will focus on the four basic operations of arithmetic with whole numbers, fractions, and decimals. As time permits, simple word problems, signed numbers, and beginning algebraic concepts will be introduced after successful completion and mastering of the four basic operations of arithmetic. Minimum passing score from this course is 70% and failure will mandate a retake. Retake for credit not allowed.

Credit Hours: 0.25

Satisfies a Requirement: none

Note: Student enters course based on math placement and/or math assessment and must earn 70% to exit course.

#### 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.

Credit Hours: .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.

Credit Hours: .50

Satisfies a Requirement: Math

Prerequisite: MTH 015

Note: 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.

#### MTH 017 - Algebra 1/2

Covers in an accelerated course of one semester the topics from MTH 015 - 016.

Credit Hours: .50

Satisfies a Requirement: Math

Note: Students who have completed MTH 016 should not enroll in this course.

#### 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. Five labs during the course of the semester will introduce the graphing calculator.

Credit Hours: .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. Six labs will continue the use of the graphing calculator.

Credit Hours: .50

Satisfies a Requirement: Math

Prerequisite: MTH 021

#### 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.

Prerequisite: MTH 021-022

Credit Hours: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 021- 22

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.

Prerequisite: MTH 033

Credit Hours: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 033

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 constructions 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.

Credit Hours: .50

Satisfies a Requirement: Math

Prerequisite: MTH 034

#### 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.

Prerequisite: MTH 037

Credit Hours: .50

Satisfies a Requirement: Math

Prerequisite: MTH 037

#### MTH 043 - Analytic Geometry w/ Pre-Calculus A

Continues the development begun in Algebra I and II. Extensive geometric concepts are studied, including column and paragraph proofs. Geometric constructions are covered. The concept of functions is reviewed and developed on. Applications of functions will be covered.

Credit Hours: .50

Satisfies a Requirement: Math/Math Residency/Geometry

Prerequisite: MTH 033/034

Note: Formerly known as Geometry-Trigonometry-Algebra 3A

#### MTH 044 - Analytic Geometry w/ Pre-Calculus B

Logarithms are covered extensively with emphasis on the algebra of logarithms. Emphasizes all phases of trigonometry including trigonometric equations, identities, and graphs. Other topics include matrices, determinants, arithmetic and geometric progressions, conic sections, roots of polynomial equations, and curve sketching.

Credit Hours: .50

Satisfies a Requirement: Math/Math Residency/Geometry

Prerequisite: MTH 043

Note: Formerly known as Geometry-Trigonometry-Algebra 3B

#### MTH 047 – Advanced Mathematics A

Provides a mathematical background necessary for calculus as a fourth year mathematics course for students with two years of algebra and a year of geometry. Covers advanced topics in mathematics to include algebra, sequences, inequalities, higher order equations and functions in quadratic, polynomial, rational, exponential and logarithmic forms.

Credit Hours: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 033-034 and MTH 037-038 or MTH 043-044

Note: Formerly known was Pre-Calculus A

#### MTH 048 – Advanced Mathematics B

Provides a mathematical background necessary for calculus as a fourth year mathematics course for students with two years of algebra and a year of geometry. Covers advanced topics in mathematics to include trigonometry, vectors and conic sections.

Credit Hours: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 047 or a "B" in MTH 034 and MTH 037-038 or MTH 043-044

Note: Formerly known was Pre-Calculus B

#### 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.

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.

Credit Hours: .50

Satisfies a Requirement: Math (Will not meet Math Residency Requirement)

Prerequisite: Successful completion of Algebra 2 and must be junior or senior.

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.

#### MTH 061 - Calculus A

Reviews basic algebra, algebraic functions, trigonometric functions, and graphs. Covers limits, derivatives of algebraic and trigonometric functions and their applications, fundamental theorem of calculus, antiderivatives, related rates, optimization, curve sketching.

Credit Hours: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 043-044 or MTH 047-048

#### MTH 062 - Calculus B

Covers the definite and indefinite integral and applications of integration that include volumes of revolution, arc length, and surface Area. Also covered are logarithms and exponential functions, inverse trigonometric functions, techniques of integration, infinite series, power and Taylor series.

Credit Hours: .50

Satisfies a Requirement: Math/Math Residency

Prerequisite: MTH 061

#### MUS 011B - Band 6th Class

Band is a .25 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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

#### MUS 011C - Chapel Choir. Catholic 6th Class

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

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 1/4 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.

Credit Hours: .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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

#### MUS 011P - Chapel Choir. Protestant 6th Class

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral

performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .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.

Credit Hours: .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 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 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: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instruction Permission (Freshman Level)

#### MUS 012B - Band 6th Class

Band is a 1/4 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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

#### MUS 012C - Chapel Choir. Catholic 6th Class

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

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.

Credit Hours: .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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

#### MUS 012P - Chapel Choir. Protestant 6th Class

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .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.

Credit Hours: .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 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 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: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Freshman Level)

#### MUS 021B - Band 5th Class

Band is a .25 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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Sophomore Level)

#### MUS 021C – Chapel Choir (P) 5th Class

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

Satisfies a Requirement: 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.

Credit Hours: .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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Sophomore Level)

#### MUS 021P - Chapel Choir (P) 5th Class

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

Satisfies a Requirement: 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.

Credit Hours: .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 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 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: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Sophomore Level)

#### MUS 022B - Band 5th Class

Band is a ¼ 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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Sophomore Level)

#### MUS 022C - Chapel Choir. Catholic 5th Class

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

Satisfies a Requirement: Fine/Practical Art

Note: 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.

Credit Hours: .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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Sophomore Level)

#### MUS 022P - Chapel Choir. Protestant 5th Class

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .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.

Credit Hours: .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 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 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: .25

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.

Credit Hours: .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 .25 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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

#### MUS 031C - Chapel Choir. Catholic 4th Class

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

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.

Credit Hours: .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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

#### MUS 031P - Chapel Choir. Protestant 4th Class

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permissions (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.

Credit Hours: .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 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 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: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

#### MUS 032B - Band 4th Class

Band is a .25 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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

#### MUS 032C - Chapel Choir. Protestant 4th Class

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

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.

Credit Hours: .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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

#### MUS 032P - Chapel Choir. Protestant 4th Class

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .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.

Credit Hours: .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 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 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: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Junior Level)

#### MUS 041B - Band 3rd Class

Band is a .25 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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

#### MUS 041C - Chapel Choir. Protestant 3rd Class

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

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.

Credit Hours: .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.

Credit Hours: .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.

Credit Hours: .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 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 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: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

#### MUS 041P - Chapel Choir. Protestant 3rd Class

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Senior Level)

#### MUS 042B - Band 3rd Class

Band is a ¼ 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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Seniors Only)

#### MUS 042C - Chapel Choir. Catholic 3rd Class

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .25

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.

Credit Hours: .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.

Credit Hours: .25

Satisfies a Requirement: Fine/Practical Art

Prerequisite: Instructor Permission (Seniors Only)

#### MUS 042P - Chapel Choir. Protestant 3rd Class

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering 1/4 credit hour for high school students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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: .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.

Credit Hours: .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 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 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: .25

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 1071 - Catholic Chapel Choir I

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering one credit hour for jr. college students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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 – Area: VI

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 1081 - Catholic Chapel Choir I

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering one credit hour for jr. college students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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 – Area: VI

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 1091 - Protestant Chapel Choir I

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering one credit hour for jr. college students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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 – Area: VI

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 1101 - Protestant Chapel Choir I

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering one credit hour for jr. college students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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 – Area: VI

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 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 – Area: VI

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 1303 - Music Appreciation

Music Appreciation is an introductory level music course for the college student. It is an elective course worth three credit hours toward the NMMI Humanities graduation requirement. There is no prerequisite for this course, as it is designed for the student with an interest in learning about music, regardless of musical background. Studies include basic musical concepts and vocabulary; basic music theory and history; and beginning music analysis,

listening, and critiquing. 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 – Area: VI

Satisfies a Requirement: Creative & Fine Arts

Note: No previous training in music is required.

#### 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 – Area: VI

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 – Area: VI

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 2071 - Catholic Chapel Choir II

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering one credit hour for jr. college students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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 – Area: VI

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 2081 - Catholic Chapel Choir II

The Catholic Chapel Choir is the performing vocal ensemble for the N.M.M.I. Catholic Chapel Service. It is an elective course offering one credit hour for jr. college students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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 – Area: VI

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 2091 - Protestant Chapel Choir II

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering one credit hour for jr. college students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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 – Area: VI

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 2101 - Protestant Chapel Choir II

The Protestant Chapel Choir is the performing vocal ensemble for the N.M.M.I. Protestant Chapel Service. It is an elective course offering one credit hour for jr. college students. Participation is open to any cadet wishing to develop and display a basic level of musicianship in a choral performance setting. This course is designed for the student with an interest in music and worship service involvement. The entry level for the course is basic pitch recognition and melodic reiteration. 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 – Area: VI

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 – Area: VI

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 – Area: VI

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 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 – Area: VI

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 – Area: VI

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 007 – Beginning Fitness

Introduces high school cadets to this individual sport with lifetime carry-over value.

Credit Hours: .25

Satisfies a Requirement: Physical Education

#### PHE 015 - Lifetime Sports

Introduces high school cadets to many individual sports with lifetime carryover value.

Credit Hours: .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.

Credit Hours: .25

Satisfies a Requirement: Physical Education

#### PHE 023 – Swimming

Introduces high school cadets to this individual sport with lifetime carry-over value.

Credit Hours: .25

Satisfies a Requirement: Physical Education

#### PHE 025 – Dynamic Fitness

Introduces high school cadets to many individual sport with lifetime carry-over value.

Credit Hours: .25

Satisfies a Requirement: Physical Education

#### PHE 031 – Bowling

Introduces high school cadets to this individual sport with lifetime carry-over value.

Credit Hours: .25

Satisfies a Requirement: Physical Education

#### PHE 036 – Strength and Conditioning

Introduces high school cadets to many individual sport with lifetime carry-over value.

Credit Hours: .25

Satisfies a Requirement: Physical Education

#### PHE 037 – Golf

Introduces high school cadets to this individual sport with lifetime carry-over value.

Credit Hours: .25

Satisfies a Requirement: Physical Education

#### PHE 040 – Racquet Sports

Introduces high school cadets to this individual sport with lifetime carry-over value.

Credit Hours: .25

Satisfies a Requirement: Physical Education

#### PHE 048 – Tennis

Introduces high school cadets to this individual sport with lifetime carry-over value.

Credit Hours: .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 1111 - Racquet Sports

These courses are designed to provide a technical based 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 1311 - Self Defense 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 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 1411 - Dynamic Fitness 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 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).

#### PHEA 2311 - Self Defense II

Advanced self-defense course.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

#### PHEA 2411 - Dynamic Fitness II

Advanced fitness course using a variety of methods to improve physical fitness. Lifetime skills.

Credit Hours: 1.0

Note: Only 4.0 credits of PHEA activity classes count for NMMI graduation (credit and GPA).

#### PHIL 1113 - Introduction to Philosophy

This course will briefly survey the history of philosophy from the ancient world to the present age, and then read in some depth one or more of the canonical texts. It is important that the students both get a sense of history of ideas in the West and also take away a more detailed understanding of one or more of its canonical authors.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

#### PHIL 1203 - World Religions

This course will survey the great world religions paying attention in particular to the Islam, Hinduism, Buddhism, Taoism, Confucianism, Judaism and Christianity. The concepts of deity, faith, uncertainty, doubt, creation, and man will be central to the course.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

#### PHIL 1813 - Critical Thinking

The verb 'to argue' comes to us from a Latin root that had to do with making clear. Current usage associates the word 'argument' both with reasoning and conflict. In every part of human activity arguments are brought to bear in support or critique of positions and points of view. Because there are many ways of understanding those human interactions gathered together by the word, 'argument,' this course will endeavor to cast some light on what an argument is and what the relationship between argument and truth might be. Primarily we will engage in extensive practice analyzing arguments. Throughout the semester we will be reading everything from Plato to short samples of writing taken from newspapers, magazines and the Internet. There will be a very brief introduction to formal logic and classical rhetoric, but the course will move quickly towards help students learn how to analyze, evaluate, and construct arguments they are likely to encounter in their future university studies and in their everyday lives.

Credit Hours: 3.0 - Area: V  
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 2013 – Ethics

This course will survey the history of ethics as a branch of philosophy and in the course of this general presentation, read from some of the canonical texts towards either a fuller understanding of some particular aspect of Ethics or a more general investigation into the practical issues that arise both in private and professional life.

Credit Hours: 3.0 – Area: V  
Satisfies a Requirement: Humanities

#### PHIL 2023 - Logic

Course is an introduction to logic and the set theory. The history of formal logic will be briefly outlined and then both predicate and first order logics will be introduced and discussed towards laying the ground both for an understanding of Godel's completeness theorem and its proof. Students will gain some facility with formal proof by working through some of the elementary theorems of set theory and logic.

Credit Hours: 3.0 - Area: V  
Satisfies a Requirement: Humanities

#### PHIL 2113 - Greek Philosophy

This course is an introduction to great thinkers of Ancient Greece, including some of the Pre-Socratics (Parmenides and Heraclitus), Socrates, Plato, Aristotle, and, an introduction to the Stoics. The class will engage fundamental questions, such as: Is anything stable and permanent, or is reality always changing? What are poetry/myth, philosophy, and logos? What is justice? What is virtue, and can it be taught? What are being and non-being? Expected outcomes for this course include: strengthening student familiarity with the history of ideas; opening the possibility of formalizing our naive (and very often effective) capacities to make an argument by deliberately putting into practice some of the methods and principles of classical rhetoric; developing our natural capacities to read and understand conceptually complex texts.

Credit Hours: 3.0 - Area: V  
Satisfies a Requirement: Humanities

#### PHIL 2123 - Modern Philosophy

This course will briefly outline the history of western philosophy in the modern period. An historical study of philosophical trends and controversies that characterize the development of early modern philosophy, this course will cover the philosophies of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant. Expected outcomes for this course include: strengthening student familiarity with the history of ideas; opening the possibility of formalizing our naive (and very often effective) capacities to make an argument by deliberately putting into practice some of the methods and principles of classical rhetoric; developing our natural capacities to read and understand conceptually complex texts.

Credit Hours: 3.0 - Area: V  
Satisfies a Requirement: Humanities

#### PHY 031 - Physics

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.

Credit Hours: .50 - Area: High School  
Satisfies a Requirement: Lab Science  
Prerequisite: MTH 033-034. Concurrent enrollment in MTH 043- 44, 047-048 or 061-062 recommended.  
Note: Lab fee required

#### PHY 032 - Physics

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.

Credit Hours: .50 - Area: High School  
Satisfies a Requirement: Lab Science  
Prerequisite: MTH 033-034. Concurrent enrollment in MTH 043- 44, 047-048 or 061-062 recommended. Must pass PHY 031 to enroll in PHY 032.  
Note: Lab fee required

#### PHYS 1100L – Introduction to Physics Lab

Laboratory to accompany (co-requisite) PHYS 1104 Introduction to Physics. This course is designed to introduce the concepts of physics at a slower pace than General Physics. It will not meet science requirements for an Associate in Science degree, but will meet one requirement for the Associate in Arts degree. Students who have difficulty with general problem solving should take this course before General 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: 0.0 - Area: III  
Satisfies a Requirement: AA Laboratory Science  
Note: AA, not AS laboratory science course.

#### PHYS 1104 – Introduction to Physics

This course is designed to introduce the concepts of physics at a slower pace than General Physics. It will not meet science requirements for an Associate in Science degree, but will meet one requirement for the Associate in Arts degree. Students who have difficulty with general problem solving should take this course before General 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 - Area: III  
Satisfies a Requirement: AA Laboratory Science/AS elective

#### PHYS 1230L - Algebra-Based Physics I Laboratory

Algebra-Based Physics I laboratory. Fundamental principles of classical kinematics and dynamics are presented with applications of Newton's laws of motion, gravitation, friction, circular motion, work and energy principles, linear momentum, rotational kinematics and dynamics, torque and angular momentum, theory of fluids (statics and dynamics), oscillations, wave motion, and sound. Material is presented from the vector algebra point of view. Topics covered are essential for college freshmen students planning for a career in physics, engineering or the physical sciences.  
Credit Hours: 0.0 - Area: III  
Satisfies a Requirement: Laboratory Science  
Note: Lab fee required

#### PHYS 1230 - Algebra-Based Physics I

Fundamental principles of classical kinematics and dynamics are presented with applications of Newton's laws of motion, gravitation, friction, circular motion, work and energy principles, linear momentum, rotational kinematics and dynamics, torque and angular momentum, theory of fluids (statics and dynamics), oscillations, wave motion, and sound. Material is presented from the vector algebra point of view. Topics covered are essential for college freshmen students planning for a career in physics, engineering or the physical sciences.

Credit Hours: 4.0 - Area: III

Satisfies a Requirement: Laboratory Science

Prerequisite: High School Algebra 2 or higher math, or pass the physics placement exam.

#### PHYS 1240L - Algebra-Based Physics II Laboratory

Laboratory for Algebra-Based Physics II. Fundamental principles of electrostatics, magnetostatics and electrodynamics are presented with applications of Coulomb's law, Gauss's law, electric potential, capacitance, electric current, DC circuits and matrix solution techniques, magnetism, Faraday's law, AC circuits, Maxwell's equations, geometric optics. Material is presented from the vector algebra point of view. Topics covered are essential for college freshmen students planning for a career in physics, engineering or the sciences.

Credit Hours: 0.0 - Area: III

Note: Lab fee required

#### PHYS 1240 - Algebra-Based Physics II

Fundamental principles of electrostatics, magnetostatics and electrodynamics are presented with applications of Coulomb's law, Gauss's law, electric potential, capacitance, electric current, DC circuits and matrix solution techniques, magnetism, Faraday's law, AC circuits, Maxwell's equations, geometric optics. Material is presented from the vector algebra point of view. Topics covered are essential for college freshmen students planning for a career in physics, engineering or the sciences.

Credit Hours: 4.0 - Area: III

Satisfies a Requirement: Laboratory Science

Prerequisite: PHYS 1230

#### PHYS 1130L - Physics in the Medical Professions Lab

Physics in the Medical Professions Laboratory. Introduction to the application of physical concepts and methods in the diagnoses and treatment of human disease. Students will be introduced to the basic physical concepts underlying physics in the medical professions; fundamentals of radiation, radiation therapy, medical imaging, radiation biology, and the basic concepts of electromagnetism.

Credit Hours: 0.0

Note: Lab fee required

#### PHYS 1134 - Physics in the Medical Professions

Introduction to the application of physical concepts and methods in the diagnoses and treatment of human disease. Students will be introduced to the basic physical concepts underlying physics in the medical professions; fundamentals of radiation, radiation therapy, medical imaging, radiation biology, and the basic concepts of electromagnetism.

Credit Hours: 4.0 - Area: III

Satisfies a Requirement: Laboratory Science

Note: PHYS 1130L (Lab Corequisite)

#### 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: Calculus I and II or instructor permission.

#### PHYS 2210L - Engineering Physics Laboratory I

Engineering Physics I Lab with practical exercises.

Classical principles of kinematics and dynamics are presented with applications of Newton's laws of motion, gravitation, friction, circular motion, work and energy principles, linear momentum, rotational kinematics and dynamics, torque and angular momentum, theory of fluids (statics and dynamics), oscillations, wave motion, and sound. Material is presented from the vector algebra and vector calculus point of view. Topics covered are essential for college sophomore students planning for a career in physics, engineering or the sciences.

Credit Hours: 0.0 - Area: III

Prerequisite: Calculus or instructor permission

Note: Upgrade in course numbering to 2000 (JCSO) level course.

#### PHYS 2215 - Engineering Physics I

Classical principles of kinematics and dynamics are presented with applications of Newton's laws of motion, gravitation, friction, circular motion, work and energy principles, linear momentum, rotational kinematics and dynamics, torque and angular momentum, theory of fluids (statics and dynamics), oscillations, wave motion, and sound. Material is presented from the vector algebra and vector calculus point of view. Topics covered are essential for college sophomore students planning for a career in physics, engineering or the sciences.

Credit Hours: 5.0 - Area: III

Satisfies a Requirement: Lab Science

Prerequisite: Calculus or instructor approval

Note: Lab fee required

#### PHYS 2220L - Engineering Physics II Laboratory

Engineering Physics II laboratory with practical exercises and experiments.

Fundamental principles of electrostatics, magnetostatics and electrodynamics are presented with applications of Coulomb's law, Gauss's law, electric potential, capacitance, electric current, DC circuits and matrix solution techniques, magnetism, Faraday's law, AC circuits, Maxwell's equations, geometric optics. Topics covered are essential for college sophomore students planning for a career in physics, engineering and/or the sciences.

Credit Hours: 0.0 - Area: III

Prerequisite: PHYS 2215, Calculus I and Calculus II

Note: Upgrade of course numbering to 2000 series to show JCSO class.

#### PHYS 2225 - Engineering Physics II

Fundamental principles of electrostatics, magnetostatics and electrodynamics are presented with applications of Coulomb's law, Gauss's law, electric potential, capacitance, electric current, DC circuits and matrix solution techniques, magnetism, Faraday's law, AC circuits, Maxwell's equations, geometric optics. Topics covered are essential for college sophomore students planning for a career in physics, engineering and/or the sciences. Lab fee required.

Credit Hours: 5.0 - Area: III

Satisfies a Requirement: Lab Science

Prerequisite: Calculus I and II; and PHYS 2215

Note: Lab fee required

#### POLS 1110 - Introduction to Political Science

This course presents an introduction to the field of political science. It will discuss the goals and methods of political science. It will discuss how political scientists describe and explain political events and why the events happen. The course will provide students with the tools, key concepts and research findings to help them better understand the political world. The course will prepare students for higher levels of study in political science.

Credit Hours: 3.0 - Area: IV

Satisfies a Requirement: Social & Behavioral Sciences

#### POLS 1120 - American National Government

Analyzes the national constitution, federalism, political process, presidency, congress, judiciary, civil rights and liberties, economic policy and formation of foreign policy.

Credit Hours: 3.0 - Area: IV  
Satisfies a Requirement: Social & Behavioral Sciences

**POLS 2110 - Comparative Politics**  
Overviews the contemporary spectrum of world politics and government. Concepts emphasized include both the principles and structures of government. Comparative analysis is the basic approach to this course.  
Credit Hours: 3.0  
Satisfies a Requirement: Social & Behavioral Sciences

**POLS 2120 - International Relations**  
Introduces the student to world politics and international conflict with consideration of trade and economic transactions as well as treaties, alliances, and international organizations.  
Credit Hours: 3.0 - Area: IV  
Satisfies a Requirement: Social & Behavioral Sciences

**POLS 2160 - State and Local Government**  
Explores the process of conflict resolution at the state and local level. Emphasis is on the changes brought about by urbanization, sub urbanization, the growth of the sunbelt, and changes accompanying the legislative reapportionment of the recent past. The abstract principles of political science are applied to the real world of politics and government in New Mexico.  
Credit Hours: 3.0  
Satisfies a Requirement: Social & Behavioral Sciences  
Note: New Mexico State Government as the applied example.

**PSYC 1110 - Introduction to Psychology**  
Studies the physiological, biological, and psychological factors which influence human behavior. Students are introduced to classic theorists and theories which attempt to explain human behavior and personality development. Human emotions, motivation, stress, anxiety, neurotic, and psychotic behavior are studied in this course. Emphasizes effective life adjustment in a complex, paradoxical social environment.  
Credit Hours: 3.0 - Area: IV (NMCCN PSYC 1110)  
Satisfies a Requirement: Social & Behavioral Sciences

**PSYC 2110 - Social Psychology**  
This course provides an in-depth review of the theories and research methodologies in the field of social psychology. Individual behavior is impacted by the social context and this will be considered by examining such topics as leadership styles, group processes to include obedience and conformity, aggression, social influence, attitudes, prejudice, interpersonal attraction, and conflict.  
Credit Hours: 3.0 - Area: IV  
Satisfies a Requirement: Social/Behavioral Science  
Prerequisite: PSYC 1110

**PSYC 2210 – Abnormal Psychology**  
This course studies the origin and development of psychopathology, as well as provides the framework for various treatment modalities. There is an emphasis on the biological, social, and psychological determinants of mental disorders. An emphasis on understanding the diagnostic criteria for mental disorders based on the standard classification system used by mental health care professionals will be featured.  
Credit Hours: 3.0 – Area: IV  
Prerequisite: PSYC 1110

**PSYC 2120 - Developmental Psychology**  
Psychological, biological, and social aspects of human development. Special emphasis is given to the physical cognitive, personality, social and moral characteristics of infancy, childhood, adolescence, and adulthood.  
Credit Hours: 3.0  
Prerequisite: PSYC 1110  
Note: Does not meet a Social & Behavioral Sciences requirement

**PSYC 2230 - Psychology of Adjustment**  
Explores concepts of mental health and illness, adjustment problems and processes.

Credit Hours: 3.0 – Area: IV  
Satisfies a Requirement: Social & Behavioral Sciences  
Prerequisite: PSYC 1110

**PSYC 2335 - Performance Psychology**  
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." The course objectives include:  
1. Understand the role psychological factors play in sport performance,  
2. Understand how various mental skills and tools could be used to improve performance, enhance enjoyment, and help students develop life skills,  
3. Understand various implementation strategies necessary for the development of the key psychological skills,  
4. To log goal-setting progress, evaluate its effectiveness, and fine-tune implementation strategies to enhance program effectiveness,  
5. To be able to apply the knowledge of various mental tools and skills in real life situations.  
Credit Hours: 3.0  
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.  
Credit Hours: .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.  
Credit Hours: .25

**READ 0993 - Reading**  
Develops college level reading and study strategies via individualized diagnosis and work assignments. Students who pass an initial screening examination may be excused. Students should be co-enrolled in developmental English. ENGL 0993 requires a "C" grade to move to the next level of English.  
Credit Hours: 3.0  
Note: Developmental course which does not count towards graduation requirements, but may be used for residency or athletic eligibility requirements. Student must earn a "C" to move on from this course.

**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.  
Credit Hours: .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.  
Credit Hours: .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.



Credit Hours: .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.

Credit Hours: .00  
Note: Testing fee required

#### SCI 031 - Science of Design

Introduces a study of the application of engineering design to real World problems/situations. Lab work consists of computer simulations, computer designed projects, and engineering projects. Curriculum is developed by the Infinity Project, a consortium of engineering schools headed by Southern Methodist University, the National Science Foundation, and the Department of Education as well as project based engineering projects.

Credit Hours: .50 - Area: High School  
Satisfies a Requirement: Lab Science  
Prerequisite: Pre-Requirement is completion of Geometry or instructor approval (Top Algebra II students might be considered)  
Note: Lab fee required

#### SCI 032 - Science of Design

Upon completion of SCI 031 the engineering projects will focus on the Science Olympiad design projects as well as a unit on rocketry. Robotics and 3-Dimensional computer drafting will complete the semester.

Credit Hours: .50 - Area: High School  
Satisfies a Requirement: Lab Science  
Prerequisite: SCI 031 (Instructor Approval)  
Note: Lab fee required

#### SOCI 1110 - Introduction to Sociology

Studies the nature and structure of human societies. Stresses sociological methodology, terminology, key concepts, such as culture, socialization, social stratification, collective behavior and social instructions. Designed to give the student a sociological understanding of contemporary American society in a rapidly changing world.

Credit Hours: 3.0 - Area: IV (NMCCN SOCI 1110)  
Satisfies a Requirement: Social & Behavioral Sciences

#### SOCI 2240 - Sociology of Intimate Relationships and Family

Studies the nature and the forces that are influencing contemporary family life. Many of the aspects of marriage covered are: male and female role socialization, courtship, mate selection, legal aspects, practical economic considerations, sexual development and adjustment, conflict and adjustment in marriage, divorce, child rearing, and the nature of love.

Credit Hours: 3.0 - Area: IV  
Satisfies a Requirement: Social & Behavioral Sciences  
Prerequisite: SOCI 1110

#### SOCI 2310 – Contemporary Social Problems

Analyzes and studies contemporary social problems, their causes, possible solutions, and how they affect human behavior. The problem areas of crime, population, the ecological crises, racism, alienation, poverty, urbanization, and mass media are studies from the various sociological models or social problems.

Credit Hours: 3.0 - Area: IV  
Satisfies a Requirement: Social & Behavioral Sciences  
Prerequisite: SOCI 1110 or permission of the instructor

#### SPAN 1110 - Spanish I

Spanish I is an introductory Spanish course at the first-year college level. This course is designed for students with no prior knowledge of Spanish. This course introduces basic everyday vocabulary and grammar. Students are expected to develop communicative competency in the skills of listening, speaking, reading, and writing. This course will also provide an introduction to the basic culture of Spanish-speaking countries. Students are expected to complete some language practice using interactive multi-media materials.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: Not open to native speakers of Spanish or students who completed high school Spanish.

#### SPAN 1120 - Spanish II

Spanish II is a continuation of first-year college level Spanish. This course is designed for students who have successfully completed Spanish I. This course continues the introduction of basic everyday vocabulary and grammar. Students are expected to continue to develop communicative competency in the skills of listening, speaking, reading, and writing. This course will also provide an introduction to the basic culture of Spanish-speaking countries. Students are expected to complete some language practice using interactive multi-media materials.

Credit Hours: 3.0 - Area: V  
Satisfies a Requirement: Humanities  
Prerequisite: Spanish I 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: 3.0 - Area: V  
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

Continues the study of grammar and language, and stresses effective reading. Spanish III is a second-year college level Spanish class. This course is designed for students who successfully completed the first-year Spanish sequence. This course builds on the basic everyday vocabulary and grammar introduced in the first-year course. Students are expected to develop communicative competency in the skills of listening, speaking, reading, and writing. This course will also cover the basic culture of Spanish-speaking countries. Students are expected to complete some language practice using interactive multi-media materials.

Credit Hours: 3.0 - Area: V  
Satisfies a Requirement: Humanities  
Prerequisite: Spanish II or permission of the instructor

#### SPAN 2120 - Spanish IV

Spanish IV is a continuation of second-year college level Spanish class. This course is designed for students who successfully completed Spanish III. This course builds on the basic everyday vocabulary and grammar introduced in previous courses. Students are expected to develop communicative competency in the skills of listening, speaking, reading, and writing. This course will also cover the basic culture of Spanish-speaking countries. Students are expected to complete some language practice using interactive multi-media materials.

Credit Hours: 3.0 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: Spanish III or permission of the instructor

#### 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 - Area: V

Satisfies a Requirement: Humanities

Prerequisite: Spanish II or Accelerated Beginning Spanish

#### 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.

Credit Hours: .50

Satisfies a Requirement: Foreign Language

Prerequisite: None

Note: Use of media equipment and software is integrated into each high school language 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.

Credit Hours: .50

Satisfies a Requirement: Foreign Language

Prerequisite: SPN 011 or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language 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.

Credit Hours: .50

Satisfies a Requirement: Foreign Language

Prerequisite: Spanish 012 or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language 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.

Credit Hours: .50

Satisfies a Requirement: Foreign Language

Prerequisite: SPN 021 or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language 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.

Credit Hours: .50

Satisfies a Requirement: Foreign Language

Prerequisite: SPN 022 permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language 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.

Credit Hours: .50

Satisfies a Requirement: Foreign Language or Communication

Prerequisite: SPN 031 or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language 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.

Credit Hours: .50 - Area: Modern Languages

#### 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.

Credit Hours: .50 - Area: Modern Languages

#### 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.

Credit Hours: .50

Satisfies a Requirement: Foreign Language or Communication

Prerequisite: SPN 032 or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language 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.

Credit Hours: .50

Satisfies a Requirement: Foreign Language or Communication

Prerequisite: SPN 041 or permission of the instructor/department.

Note: Use of media equipment and software is integrated into each high school language course.

# Faculty

**Desi Aguilar (2010)**

(Major) Academic Success Coordinator  
B.S., Eastern New Mexico University

**Lorenza Aho (2012)**

(Major) Assistant Professor of Spanish  
M.A., Eastern New Mexico University

**Peter Atkinson (2010)**

(Colonel) Professor and Head, Philosophy  
Ph.D., University of California, Irvine

**Mary Beth Atwood (1994)**

(Colonel) Professor of Biological Sciences, Pre-Nursing Advisor  
M.S., New Mexico State University

**Philip Baca (2004)**

(Lieutenant Colonel) Associate Professor of Business and  
Associate Dean of Social Sciences  
M.S., New Mexico State University

**Jose O. Barron (2003)**

(Colonel) Director of Athletics, Instructor of HPER  
M.A., New Mexico Highlands University

**Jeff Boyd (2001)**

(Colonel) Professor and Head, Communications  
M.A., Texas Tech University

**Matthew Brady (2019)**

(Major) Assistant Professor of Music  
M.A., Rider University

**Francis Brink (2020)**

(Major, US Army) Assistant Professor of Military Science (ROTC)  
M.A., National Defense University

**Peter Byrne (2018)**

(Major, US Army) Assistant Professor of Military Science (ROTC)  
B.A., State University of New York - Albany

**Nancy A. Castillo (2004)**

(Lieutenant Colonel) Associate Professor of Mathematics  
M.Ed., Eastern New Mexico University

**Roger K. Castillo (2005)**

(Lieutenant Colonel) Associate Professor of Sciences and  
Mathematics  
M.S.T., New Mexico Institute of Mining and Technology

**Kyle Chaney (2006)**

(Lieutenant Colonel) Associate Professor and Associate Dean of  
Humanities  
M.F.A., Lindenwood University

**Sherri Clowe-Tompkins (2019)**

(Major) Assistant Professor of Mathematics  
M.Ed., West Texas A&M University

**Nicholas Cody (2019)**

(Major) Assistant Professor of English  
M.Ed., University of Minnesota, Twin Cities

**Chris Cook (2012)**

(Major) Assistant Professor of Health, Physical Education,  
Baseball  
B.S., Rockford College

**Jose Corral (2018)**

(Sergeant First Class, US Army) Instructor of Military Science  
(ROTC)

**Adam Davies (2018)**

(Lieutenant Colonel) Associate Professor of English  
M.F.A., Syracuse University

**Elaine Espinosa-Sims (2014)**

(Major) Assistant Professor of Reading/Writing  
M.Ed., Eastern New Mexico University

**Ronald Fabec (2011)**

(Command Sergeant Major, USA Ret.) Instructor of Junior ROTC  
B.F.A., Ringling College of Arts and Design

**Jared Farley (2016)**

(Lieutenant Colonel) Associate Professor of Political Science  
Ph.D., Miami University

**Jonathan Fincher (2013)**

(Major) Assistant Professor of English  
M.F.A., University of Arkansas at Monticello

**Joe Forchtner (2006)**

(Lieutenant Colonel) Associate Professor of HPE, Football  
M.Ed., Delta State University

**Shelby Forchtner (1991)**

(Lieutenant Colonel) Associate Professor of HPE, Volleyball  
B.S., Lubbock Christian University

**June Frosch (1992)**

(Lieutenant Colonel) Head Librarian  
M.S.L.S., Clarion University

**Billy S. Gallagher (2001)**

(Lieutenant Colonel) Associate Professor of History  
M.A., Eastern New Mexico University

**Andalecio Gallegos (1981)(2008)**

(Lieutenant Colonel) Associate Professor of Spanish, French  
M.A., New Mexico Highlands University

**Teresa L. Garvey (1989)**

(Colonel) Professor and Head, Business, Management, and  
Leadership  
M.B.A., Eastern New Mexico University

**Bertha Gomez (2018)**

(Captain) School Counselor I, Academic Counselor  
M.Ed., New Mexico State University

- Valarie Grant (2012)**  
(Major) Assistant Professor of English  
M.A., Eastern New Mexico University
- Gina Hartwick (2006)**  
(Lieutenant Colonel) Associate Professor of Mathematics  
M.A., Eastern New Mexico University
- Conrad Harter (2018)**  
(Major) Assistant Professor of History  
Ph.D., University of California - Irvine
- W. Theodore Hitchcock (1993)**  
(Lieutenant Colonel USAF Ret) Professor of History  
Ph.D., University of Mississippi
- Holly Huber (1998)**  
(Lieutenant Colonel) Associate Professor and Department Chair,  
Art  
M.A. Ed., Eastern New Mexico University
- Heidi Huckabee (2010)**  
(Colonel) Professor of English  
Ph.D., University of New Mexico
- Aaron Johnson (2018)**  
(Lieutenant Colonel, US Army) Professor of Military Science  
(ROTC)  
M.A., Hawaii Pacific University
- Joan Jump (1997)**  
(Major) Librarian  
M.L.I.S., Wayne 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
- Richard Kitchen (2002)**  
(Colonel) Professor of History and Social Science  
Ph.D., Arizona State University
- Violeta Konculic (2019)**  
(Captain) Instructor General Faculty  
B.S., Union College
- William Lamb Jr. (2011)**  
(Captain) Instructor of Music, Bandmaster and Head,  
Department of Music  
B.S., Western New Mexico University
- Lionel Lambert (2020)**  
(Captain, US Army) Assistant Professor of Military Science  
(ROTC)  
B.A., University of Florida
- Jason Leible (2017)**  
(Major) Instructor of Business  
M.B.A., University of Phoenix
- Melissa Loucks (2015)**  
(Major) Assistant Professor of English  
Ph.D., University of Florida
- Eddy J. Lynton (2018)**  
(Lieutenant Colonel) Professor and Head, Criminal Justice  
Ph.D., Texas Woman's College
- Carlos E. Marrujo III (2018)**  
(Captain) Athlete Academic Advisor  
M.S., University of the Southwest
- Michelle Martin (2015)**  
(Captain, US Army) Assistant Professor of Military Science  
(ROTC)  
M.H.Ed., University of Louisville
- Cheryl A. Martinez (1986)**  
(Colonel) Professor and Head, Department of Mathematics  
Ed.D., University of Nebraska-Lincoln
- Demvia Maslian (2015)**  
(Major) Assistant Professor of Sciences  
MSE, Henderson State University
- Patricia Matchin (2007)**  
(Lieutenant Colonel) Associate Professor and Head, Department  
of English  
M.A., New Mexico State University
- Lindsay Mayo-Fincher (2013)**  
(Major) Assistant Professor of English  
Ph.D., University of Nebraska
- John R. McVay (2005)**  
(Colonel) Professor of Biological Sciences and Associate Dean of  
Mathematics and Sciences  
Ph.D., Oklahoma State University
- Sandra Medina (2015)**  
(Major) Assistant Professor of Mathematics  
M.Ed., Lesley University
- Randy Montoya (2011)**  
(Lieutenant Colonel) Associate Professor of HPER, Football (HS)  
and Department Head of Athletics  
M.S., Eastern New Mexico University
- Henri Ndaya (2014)**  
(Major) Assistant Professor of Mathematics  
M.S., University of Colorado at Colorado Springs
- Cody Northrup (2013)**  
(Major) Assistant Professor of History  
M.Ed., Eastern New Mexico University

**Michael S. O'Neil** (1992)  
(Lieutenant Colonel, USA Ret.) Junior ROTC Senior Army  
Instructor  
B.A., E.N.M.U., US Army Command and General Staff College

**Jan Olesinski** (1988)  
(Colonel) Professor of HPER, Cross Country  
M.A., Academy of P.E. Poland

**Bruce Patterson** (2019)  
(CW4, US Army) Assistant Professor and Head, Department of  
Music, Bandmaster  
M.A., Liberty University

**Katrina Peterson** (2019)  
(Major) Assistant Professor of English  
Ph.D., Ohio State University

**Rhonda Reagor Johnson** (1989)(2001)  
(Lieutenant Colonel) School Counselor III, Academic Counselor  
and Department Head, SAC  
M.S., University of West Alabama

**Staci Saiz** (2019)  
(Major) Assistant Professor of Biological Sciences  
M.S., New Mexico State University

**Stephanie Schooley** (2005)  
(Captain) Instructor of HPE, Volleyball (HS)  
B.S., Eastern New Mexico University

**Charity C. Schwalm** (2005)  
(Lieutenant Colonel) Associate Professor of Mathematics and  
Associate Dean for Curriculum Planning  
M.S., Texas Tech University

**Charles Scott** (2010)  
(Senior Chief Petty Officer, USN Ret.), (NMMI Major) Directory  
of Service Academy Prep Program  
M.Ed., Northern Arizona University

**Susan Scott** (2011)  
(Major) Deputy Director Toles Learning Resource Center  
M.S., Kansas State University

**Virginia Shutts** (2016)  
(Captain) Instructor of ACT/SAT Prep/Academic Success  
B.A., Virginia Tech

**Jasmine Small-Armstrong** (2014)  
(Major) School Counselor, Academic Counselor  
M.S., Kansas State University

**Dan Smith** (2015)  
(Major) School Counselor I, Academic Counselor  
M.S., University of Cincinnati

**Kalith Smith** (2006)  
(Lieutenant Colonel) Associate Dean of Paul Horgan Library and  
Center of Academic Excellence  
Ed.D., University of Nebraska-Lincoln

**Mark Stone** (2018)  
(Captain) Instructor of Mathematics  
B.S./M.A., Eastern New Mexico University

**John Surgett** (2004)  
(Lieutenant Colonel) Associate Professor and Head, Department  
of Science  
M.Ed., Lesley University

**Aonan Tang** (2011)  
(Lieutenant Colonel) Associate 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)  
(Major) Assistant Professor of Mathematics  
M.Ed., Grand Canyon University

**Karina Trivino-Norris** (2014)  
(Major) Assistant Professor of Biology and Chemistry  
M.Ed., Eastern New Mexico University

**Cyndi Vandiver** (2009)  
(Major) Assistant Professor and Head, History  
M.A., Southern Methodist University

**Elena A. Viltchinskaia** (2002)  
(Colonel) Professor of Chemistry  
Ph.D., Ural Polytechnic Institute

**Terry D. Waggoner** (1984)(2001)(2011)  
(Colonel) Associate Professor and Head, Social Science  
Ed.M., Boston University

**Orson Webber-McCollaum** (2013)  
(Major) Assistant Professor and Head, Modern Languages  
M.A., Southern Oregon University

**Javiya Williams** (2019)  
(Captain, US Army) Assistant Professor of Military Science  
(ROTC)  
B.A., Southern University and A&M College

**Mia Yang** (2010)  
(Lieutenant Colonel) Associate Professor of Physics  
Ph.D., Indiana University

**Steven D. Young** (2006)  
(Major) Assistant Professor of Mathematics  
M.S., Texas Tech University

# Emeritus Faculty

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**Elizabeth L. Boese** (1999-2018)  
(Colonel) Professor of English

**Paul G. Burrow** (2005-2020)  
(Lieutenant Colonel) Associate Professor of Mathematics

**Clare L. Galloway** (2000-2018)  
(Colonel) Professor of Computer Sciences and Mathematics

**Jerry A. Garcia** (1978-2014)  
(Colonel) Professor and Head, Department of Mathematics

**Nancy Hein** (2002-2019)  
(Lieutenant Colonel) Associate Professor of Biological Sciences

**Robert E. Hudgens** (2007-2020)  
(Colonel) Professor and Head, Department of Sciences

**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 College First Year Experience and Academic Advisor

**Eva McCollaum** (2006-2019)  
(Colonel) Professor of English

**J. Michael Patton** (2007-2014)  
(Major) Assistant Professor of Mathematics

**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

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## Fall 2020

July	24	Cadre & Ropes Course Facilitators matriculation
	30	New JC Sponsored Academy Prep matriculation
	30-31	New/Old JC Football/Volleyball and HS Football matriculate
	31	New/Old Band matriculation
August	05	New JC cadets arrive/matriculate
	06-07	New HS cadets arrive/matriculate
September	13	Old & BIS (break in service) cadets arrive/matriculate
	17	Classes Begin
	28	End of Add/Drop class - After this date, a drop will result in a "W" grade until Grade Penalty Withdrawal Date
	07	Labor Day – Regular Class Schedule
October	05	Eastern New Mexico State Fair Parade – No Classes
	06-09	Midterm Exams
	13	Midterm Progress Reports
	23	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 – Regular Class Schedule
	20	Classes End
	21-24	Final Exams
	25	Fall Graduation

## Spring 2021

January	02	Cadre (cadet leadership) arrive
	05	New cadets arrive/matriculate
	07	BIS/Old cadets arrive
	11	Classes Begin
February	18	Martin Luther King Jr. Day – No Classes
	22	End of Add/Drop Class Period - After this date, a drop will result in a "W" grade until Grade Penalty Withdrawal Date
	15	President's Day - No Classes
March	01-05	Midterm Exams
	09	Midterm Progress Reports
	19	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")
April	22-26	Spring Break (No Classes)
	02-05	Easter Break (No Classes)
May	06	Classes End
	07	Academic Retreat
	08-12	Final Exams
	15	Commencement