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Catalog  
2004-2006

**New Mexico Military Institute**  
Roswell, New Mexico

COVER CREDITS:

Photograph:

Front, spine and rear design: LTC (NMMI) Wayne Whiting

Change summary:

- a. Added Associate in Science Degree
- b. Added Service Academy Preparatory Diploma
- c. Changed general education requirements to more closely reflect other institutions in New Mexico
- d. Changed procedures for correspondence/on-line courses
- e. Changed the wording on home-school coursework
- f. Adjusted wording on one-year requirement on mathematics
- g. Adjusted procedures on junior high/middle school transfer work
- h. Added the requirement for CAAP testing for junior college graduates

Current updates posted on the NMMI web site at  
<http://www.nmmi.edu/reg>



## SUPERINTENDENT'S MESSAGE

The mission of New Mexico Military Institute, as a state-supported school, is to provide the citizens of the State of New Mexico and the nation a college preparatory program in the high school and a college transfer program in the junior college in the disciplined environment of the Corps of Cadets. Further, the Institute provides instruction to the cadets for leadership and character development, integrity, self-esteem, and physical well-being. The Reserve Officer Training Corps (ROTC) program is mandatory for all cadets, and the junior college contract cadet has the opportunity to receive an Army commission in two years.

The curricula of both college and high school are based on the assumption that New Mexico Military Institute students plan to continue their education and graduate from a four-year college or university. The Institute faculty and staff continually strive to provide the very best instruction and the very finest facilities in order to create an atmosphere that is intellectually inspiring.

David R. Ellison,  
Rear Admiral, USN (Ret.)  
Superintendent

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# **NEW MEXICO MILITARY INSTITUTE**

## **VISION**

New Mexico Military Institute will be the nation's finest college preparatory high school and university parallel junior college, operating within a conducive military environment.

## **MISSION**

As an institution of higher and secondary education, NMMI will provide challenging academic preparation through a structured learning environment affording extensive opportunities for leadership and character development.

## **VALUES**

Knowledge, Integrity, Service and Responsibility.

## **STRATEGIC GOALS**

Establish and promote a sense of camaraderie and mutual respect within the Institute community.

Maintain an enrollment of 900-1000 diverse young people with a broad range of cultural and ethnic backgrounds and of the highest potential possible with special emphasis on New Mexicans.

Provide the finest university-parallel programs in the liberal arts and pre-professional fields for the junior college as well as a challenging college preparatory program for the high school.

Maintain a military environment conducive to academic excellence, positive leadership, character development, and personal growth while affording the best opportunity to know and practice ethical behavior through a commitment to Duty, Honor, and Achievement.

Develop an interest in lifetime sports and physical well being, while providing extensive opportunities to participate in intercollegiate/ interscholastic athletics and intramural activities.

Establish, use, and refine assessment tools to provide a continuing basic to evaluate and to improve the effectiveness of campus-wide programs



including, but not limited to, academics, leadership, physical wellness, and service learning.

Provide and maintain the facilities, equipment, and environment to support academic, Corps, and athletic programs.

Manage the financial resources with sound fiscal policies best suited to sustain good economic health.

Provide student services from the Auxiliary Enterprises, which contribute to an environment conducive to learning, safety and health.

Maintain a lifelong relationship with former cadets of New Mexico Military Institute.

Commit to the development of financial resources, in addition to tuition, to fulfill the mission of the school and to fund the goals of the strategic plan. The school will seek funds through annual and capital giving to meet the need for additional scholarships, rising operating costs, capital projects and specific program expenses.

Utilize appropriate technology at all levels to foster technological competencies to accomplish efficient, effective and meaningful educational, administrative and management results.

Increase the visible presence of NMMI in the Roswell Community utilizing an attitude of inclusion.

## **BOARD OF REGENTS' POLICY STATEMENT**

New Mexico Military Institute is primarily an academic institution operating within the framework of a military environment.

The junior college is primarily designed to prepare students for transfer to four-year colleges and universities. An Associate in Arts or Associate in Science degree is awarded to qualified graduates.

The high school curriculum is basically for those students planning to pursue a college course of study after graduation.

Members of the staff and faculty are selected for their professional qualifications and their willingness to work in a program that is both academic and military.

Every effort is made to instill integrity through an honor system and to develop individual responsibility.

Students are both instructed and offered opportunities to practice the principles and techniques of good leadership. Only students in full residence may be members of the Corps of Cadets.

Cadets at New Mexico Military Institute are encouraged to attend chapel. Chapel services are conducted at the Institute at such times as to permit and encourage cadets to attend other church services of their choice in Roswell.

All full-time students are required to be unmarried (never been married), without dependents, and resident members of the Corps of Cadets, to participate in military science and physical education activities, and wear the cadet uniform.

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.

All academic policies and procedures in this catalog are binding upon cadets at the time of their enrollment.

## EQUAL OPPORTUNITY POLICY



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

# SCHOOL CALENDARS (ANTICIPATED)

## FALL 2004

Cadet leadership arrives .....	2 Aug 2004
Cadet cadre arrives .....	5 Aug 2004
New cadets arrive .....	6 Aug 2004
Old cadets arrive.....	14 Aug 2004
College advising .....	20 Aug 2004
Classes start .....	20 Aug 2004
End drop/add .....	30 Aug 2004
Progress report .....	13 Sep 2004
Mid-term grades .....	17 Oct 2004
Penalty withdrawal .....	31 Oct 2004
Thanksgiving Break .....	23 Nov 2004
Term end .....	19 Dec 2004

## SPRING 2005

Cadet cadre arrives.....	6 Jan 2005
New cadets arrive.....	8 Jan 2005
Old cadets arrive .....	12 Jan 2005
College advising.....	13 Jan 2005
Classes start .....	13 Jan 2005
End drop/add .....	23 Jan 2005
Progress report .....	7 Feb 2005
Mid-term grades.....	14 Mar 2005
Spring Break starts .....	14 Mar 2005
Penalty withdrawal .....	27 Mar 2005
Term end.....	16 May 2005

NOTE: All dates from this point are tentative

## FALL 2005

Cadet leadership arrives .....	31 Jul 2005
Cadet cadre arrives .....	4 Aug 2005
New cadets arrive .....	8 Aug 2005
Old cadets arrive.....	14 Aug 2005

College advising .....	19 Aug 2005
Classes start .....	19 Aug 2005
End drop/add .....	30 Aug 2005
Progress report .....	12 Sep 2005
Mid-term grades .....	16 Oct 2005
Penalty withdrawal .....	30 Oct 2005
Thanksgiving break .....	23 Nov 2005
Term end .....	18 Dec 2005

### SPRING 2006

Cadet cadre arrives.....	5 Jan 2006
New cadets arrive.....	8 Jan 2006
Old cadets arrive .....	11 Jan 2006
College advising.....	12 Jan 2006
Classes start .....	12 Jan 2006
End drop/add .....	23 Jan 2006
Progress report .....	6 Feb 2006
Mid-term grades.....	17 Mar 2006
Spring Break starts .....	17 Mar 2006
Penalty withdrawal .....	31 Mar 2006
Term end .....	15 May 2006

### TYPICAL CLASS DAY

6:05 am .....	First Call
6:10 am .....	BRC (Breakfast Roll Call) Formation
7:15 am - 8:00 am .....	Academic Extra Help
7:15 am - 3:00 pm .....	Academic Time
11:35 am - 12:20 pm .....	Noon Meal (DRC)
3:00 pm - 6:00 pm .....	Intramurals, Corps Sports
3:15 pm - 4:00 pm .....	Drill (Mondays only)
3:15 pm - 5:30 pm .....	Cadet Activities, Clubs, etc.
5:25 pm - 5:30 pm.....	Retreat and Guard Mount
6:00 pm - 7:00 pm .....	SRC (Supper Roll Call) Formation
7:00 pm - 9:30 pm.....	Night Study Hall (NSH)
9:30 pm - 10:00 pm .....	Free Time
10:00 pm.....	Taps

## KEY PERSONNEL

### THE BOARD OF REGENTS

Fred G. Yates, President .....Santa Fe  
Bruce D. Ritter , Past President.....Albuquerque  
Steve Elliott, Vice President.....Roswell  
Bill Armstrong, Jr., Secretary-Treasurer .....Roswell  
Jesus A. Salazar, Member.....Albuquerque

### OFFICERS OF THE INSTITUTE

(Year) indicates beginning of Institute service.

### ADMINISTRATION

<b>David R. Ellison, Rear Admiral, USN</b> Ret (2004) Ph.D., Pennsylvania State University	Superintendent
<b>Larry C. Skogen, Lieutenant Colonel,</b> USAF Ret (2001) Ph.D., Arizona State University	Deputy Superintendent for Academics (Academic Dean)
<b>Jack R. Fox, Colonel, AUS Ret (1999)</b> M.Ed., Georgia State University	Deputy Superintendent for Leadership (Commandant of Cadets)
<b>Judy A. Collins, Colonel, NMMI</b> (1980) M.B.A., Eastern New Mexico University	Deputy Superintendent for Business Affairs
<b>William C. Wyles, Colonel, NMMI</b> (1973-1991)(1998) MBA, Eastern New Mexico University	Deputy Superintendent for Institutional Development
<b>Donald Beard, Lieutenant Colonel,</b> NMMI (2002 ), M.A. Eastern New Mexico University	Associate Dean/ High School Principal
<b>Craig Collins, Lieutenant Colonel,</b> NMMI (1980-1996)(2001) BA, University of Texas of the Permian Basin	Director of Admissions
<b>James L. Barnes, NMMI (1991)</b> B.B.A., Eastern New Mexico University C.P.A., C.G.F.M	Executive Director, NMMI Foundation
<b>Kevin Shafer, Lieutenant Colonel,</b> NMMI (1997) B.S., Northwestern Missouri State University	Director of Physical Plant
<b>Richard C. Stecklein, Colonel, NMMI</b> (1973) M.A., Fort Hays State University	Director of Athletics
<b>Seth R. Orell, Lieutenant Colonel, USA</b> Ret. (1989) M.B.A., Syracuse University	Executive Director, NMMI Alumni Association



## GENERAL INFORMATION

### Member of

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  
College Board

## ACCREDITATION

### Junior College accredited by:

Higher Learning Commission (a commission of the North Central Association of Colleges and Schools)  
30 North LaSalle Street, Suite 2400  
Chicago, Illinois 60602  
800-621-7440  
<http://www.ncacihe.org/>

### College Preparatory High School accredited by:

North Central Association Commission on Accreditation and School Improvement  
Arizona State University  
P.O. Box 873011  
Tempe, Arizona 85287-3011  
800-525-9517  
<http://www.ncacasi.org>

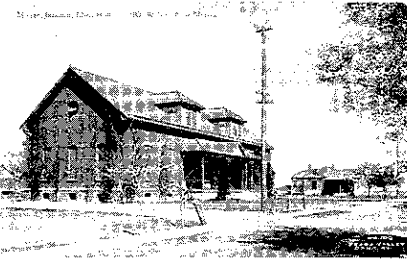
### Additional certifications/licensure:

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.

## NMMI - A HISTORICAL SKETCH

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 re-open the doors of New Mexico Military Institute in its present location on September 6, 1898.

The school provided then eight years of academic work and the students 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).

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 Office Training Corps program in 1916. Shortly thereafter, 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 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.

## ACADEMIC OUTCOMES

Graduates will work independently in the pursuit of academic excellence.

Graduates will demonstrate an understanding of a comprehensive body of knowledge.

Graduates will exhibit sound reasoning through critical thinking.

Graduates will demonstrate effective oral and written communication skills.

Graduates will utilize a variety of learning techniques.

Graduates will use technology and resources effectively.

Graduates will demonstrate an awareness of fine arts, music, drama, and languages.

Graduates will understand cultural and ethnic diversity.

Graduates will learn the importance of lifelong learning.

Graduates will demonstrate a global perspective.

Graduates will exhibit a sense of community and responsibility to others.

Graduates will demonstrate moral and ethical decision-making.

## NMMI ASSESSMENT STATEMENT

NMMI is dedicated to student learning. Cadets are active participants in the learning process. This process includes a variety of measurements encountered throughout their experiences at the Institute.

## LEADERSHIP AND DISCIPLINE

The Corps of Cadets at New Mexico Military Institute operates with a cadet chain of command, headed by a Cadet Regimental Commander, under the supervision of the Commandant of Cadets. Working closely with the regimental commander and other cadet commanders, the staff is composed of officers and noncommissioned 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 assigned to rooms in the barracks with fellow new cadets of the same academic year. When possible they march to formations with their troops. As a new cadet, the student is held to the highest standards and is trained in the shortest possible time in the following areas:

1. Military bearing and appearance
2. Self-control and self-discipline
3. Respect for authority
4. Attention to detail
5. Knowledge of New Mexico Military Institute customs, traditions, and regulations
6. Time management
7. Honor System
8. Social etiquette
9. Ethical and moral standards expected of a cadet.

The Yearling (second semester in college or second year of high school) is placed in a less stressful environment and may be given supervision over new cadets in his/her unit. It is during this period that the cadet is carefully coached and evaluated on leadership abilities.

The old cadets (one year college/two years high school) are the leaders in the Corps, having the responsibilities of training the new cadets and monitoring and helping the progress of the yearlings. Old cadets lead primarily by example.

The Institute reserves the right to dismiss, suspend, or otherwise penalize any cadet who does not properly adapt to the academic and disciplinary requirements. Among offenses that may result in dismissal or suspension 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 the following: physical punishment, hazing or other

abuse of any cadet, sexual misconduct, disgraceful or refractory behavior, use or possession of alcoholic beverages, absence without leave, ten or more unexcused class absences within the school year or any conduct that may bring discredit upon the Institute. Any use or possession of unauthorized drugs or drug paraphernalia is a dismissal offense; additionally failure to turn prescription drugs into the infirmary may be grounds for dismissal.

Lesser offenses will result in demerits, marching tours or restrictions to the campus. An excessive number of demerits is regarded as a failure or inability to adjust satisfactorily to the demanding environment and may result in suspension or dismissal. Finally, because the Institute is an educational institution with high academic standards, poor academic performance may also result in suspension.

### NMMI CLASS DESIGNATIONS

**Sixth Class (equivalent to high school freshman).** Approximately 100 high school freshmen are admitted to New Mexico Military Institute each year.

**Fifth Class (equivalent to 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 (equivalent to 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 (equivalent to 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 (equivalent to college freshman).** A cadet must have a high school diploma, its equivalent from an accredited high school, or meet other minimum admissions requirements.

**First Class (equivalent to college sophomore).** A cadet must have completed 32 academic units that apply toward the associate degree. In addition, completion of one semester in residence at the college level is required.

## HONOR SYSTEM

The Honor Code and Honor System of the Corps of Cadets at NMMI belong to the Corps of Cadets but operate under the sanction of the Commandant of Cadets. 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 or dismissal based on the recommendations of the Cadet Honor Board 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 non-tolerance before joining the Corps.

Cadets who are found in class to cheat, plagiarize, or otherwise engage in academic dishonesty will receive penalties ranging from a zero for the particular assignment to an F for the entire semester. The incident may also be referred to the Cadet Honor Board for additional dispensation. Each academic division and department has its policy regarding sanctions for academic dishonesty, and these penalties are applied uniformly within the division, department or in multiple sections of the same course.

## FURLOUGHS

A furlough is the time a cadet may leave NMMI to go home. Furloughs are directly related to activities, grades or deportment. A cadet whose grades or deportment fall below a "C" average loses his or her furlough privilege. Furloughs are taken only on specific weekends designated by the Commandant of Cadets. The three major furloughs during which all cadets may leave NMMI for more than three days are the Thanksgiving, Christmas, and Spring breaks. Dormitories are closed during these extended breaks.



## SCHOOL SERVICES

### CONFIDENTIALITY OF STUDENT RECORDS (FERPA)

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

A student's high school record is open for inspection by the student's parents or guardians. College students fall under FERPA regulations and can limit access to their record as specified in federal law. Financially, New Mexico Military Institute considers all students, whose parents provide any portion of their expenses, as "dependent" as defined by Internal Revenue Code of 1954, Section 152 (for form 1098s). 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.

The Registrar is the custodian of the student's academic record. A student's academic record may include application for admission information, residency certificate, immunization certificate, date of school entry, student 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 student's name, local address, telephone number, date and place of birth, area of concentration, dates of attendance, height, weight, scholastic and/or athletic achievement, degree (if any), previous schools attended and date of graduation. If a student does not wish for this public information to be released, he/she must so 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 also have the right to request amendment of the records they believe to be in error. They also have the right to file a complaint with the US Department of Education if they determine their rights have been violated. The address for such complaints is at the Registrar's Office.

## NAME CHANGES

Name changes are only accepted with proper legal/court documents. NMMI will add the changed name to the transcript with the original name to track such changes.

## 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 students who are not enrolled in college. Transcript requests may be printed from the web at the registrar web site - <http://www.nmmi.edu/reg/> or by following links from the NMMI home page.

## CLASS ATTENDANCE

Attendance at all scheduled classes is mandatory and considered essential to the discipline and education of each cadet. For each unexcused absence from class, the cadet will receive tours and demerits. A cadet with more than 10 unexcused absences in an academic year is subject to suspension.

## CLASS DROP-ADD PROCEDURES

Cadets may add 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 Division Chair, the Principal and then forwarded to the Registrar.

The last day for students to drop a class with a (W) is the Friday of the 10th week of classes.

## GRADES/GRADING SYSTEM

NMMI's grading system is a 4.0 system with no extra credit given for honors or advanced placement 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, however, department grades will only show on report cards.

A-, A, A+	Excellent (90-100)	4.00
B-, B, B+	Above Average (80-89)	3.00
C-, C, C+	Average (70-79)	2.00
D-, D, D+	Below Average (60-69)	1.00
F	Failing	0.00
W	Withdrawn	
WP	Withdrawn while passing	
WF	Withdrawn while failing	0.00
I	Incomplete (semester grade)	
S	Satisfactory	
P	Pass	
TR	Transfer grade credits that count towards total credits earned not GPA credits	
TA, TB, etc.	High School transfer grades used to indicate the grade transferred from another school and factored into GPA.	Same as letter grade
D "Grade" DA, DB, etc.	Letter grade for department as in DA, DB, etc.	

Grades of "Incomplete" (I) must be made up within one semester after awarded or they become grades of "F."

Students 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. However, credit hours may not be awarded twice for the same course.

## RESIDENCY AND RESIDENCY REQUIREMENTS

Enrollment at NMMI is in itself not sufficient to change residency, and NMMI will classify a student based on his/her residency at the time of admission. Per state law, any action which will bring into question residency must be resolved by the Registrar.

An individual is considered a resident if he/she has lived in New Mexico for over one year. An individual may become a resident of New Mexico through certain steps, but must complete those steps and one year residency before the student status changes to resident from non-resident.

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. One only has one residence at a time, and retains the former residence until all items are met in the new residence.

At the time of first enrollment, residency is determined by the census date and anyone not meeting residency requirements will be classified as a non-resident. An individual's classification remains as determined at first enrollment, as long as he/she is a continuing student, unless the registrar's office has knowledge of a circumstance calling for a reclassification.

**Requirements to establish NM residency are:**

1. Twelve month residence in New Mexico (consecutive).
2. Financial independence to establish residency.
3. Written declaration of intent to relinquish residency in any other state.
4. Overt Acts:
  - a) If employed, employment within New Mexico
  - b) Payment of NM income taxes
  - c) NM drivers' license
  - d) NM vehicle registration
  - e) NM voter registration
  - f) No act inconsistent with being a NM resident, e.g., voting in another state

## COURSE NUMBERING SYSTEM

All NMMI high school courses are numbers from 001 to 099. All NMMI junior college courses are numbered from 100 to 299 and are "lower level" college courses designed to meet basic college educational requirements.



## GRADUATION PROCEDURES

The semester prior to graduation, the Registrar will announce a time for application for graduation. Those planning to graduate must sign-up at that time. All graduates are expected to participate in the graduation exercise unless specifically excused by the Academic Dean. Commencement day attire for all cadets will be the Summer A uniform.

Mid-year graduates may participate in graduation exercises if they desire. If they do so, they must appear in the designated military uniform with approved appearance standards.

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

## ACADEMIC ACHIEVEMENT LISTS AND HONOR SOCIETIES

### Superintendent's List

To qualify for the Superintendent's List a cadet must earn a minimum GPA of 3.50 (both high school and college). The high school cadet must be carrying a load of five solid subjects and the college cadet a minimum of 14 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.

### Dean's List

To qualify for the Dean's List a cadet must earn a minimum GPA of 3.25 (both high school and college). The high school cadet must be carrying a load of five solid subjects and the college cadet a minimum of 14 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.

## **Commandant's List**

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

### **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 students carrying a full academic load, possessing recognized qualities of citizenship, and holding a 3.25 cumulative GPA in non-remedial courses will meet the minimum qualifications for membership.

### **The 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 student 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.

### **The National German Honor Society (High School)**

The National German Honor Society, Delta Epsilon Phi, enables the faculty to select and recognize those students enrolled in German classes at NMMI who have demonstrated high scholastic attainment in the study of German. Participation in the national education honorary fraternity promotes interest in the study of the German language, literature, culture, and civilization. Selection at NMMI requires a minimum 3.00 cumulative GPA, 3.60 in German courses at NMMI, and demonstrated interest in co-curricular or extra-curricular German learning activities.

## U.S. Service Academy Preparation (PREP) Program

NMMI participates as a receiving school for the service academy preparatory programs. The Associations' of Graduates from the Air Force, US Military Academy, and the Naval Academy sponsor qualified students to attend NMMI for one year and participate fully in both the academic program and the Corps of Cadets. Additionally, the SEAGRITS program sponsors students to attend NMMI for a year prior to being appointed to the Coast Guard Academy. NMMI also supports a similar program with the Merchant Marine Academy. Following a successful year at NMMI, these students receive appointments to the academies. On average, 70 young men and women participate in this program each year.

### ACADEMIC SUSPENSION, SUSPENSION, WITHDRAWAL AND/OR DISMISSAL POLICY

While in attendance at NMMI a grade point average of 2.00 is required of all students in order to maintain "good academic standing." Any NMMI student whose GPA falls below 1.50 at the end of a semester may be suspended. Any NMMI student whose GPA falls below 1.75 at the end of a semester is placed on Academic Probation. The student then has one more semester in which to attain a GPA of 1.75 or better. Failing to do so, may result in academic suspension. An entering new student whose GPA for the previous semester or whose cumulative GPA for all secondary schooling does not meet the normal admissions criterion of 2.00 for college and at least 2.25 for high school may be admitted conditionally, (AP). Such a student must attain a GPA of 1.75 in the first semester at NMMI. Failing to do so, the student's overall record will be reviewed by the Academic Review Board and academic suspension may result.

Suspended cadets (academic or deportment) may apply for readmission to the Institute after one full semester; however, dismissed cadets may not. A cadet who has been placed on suspension may apply for permission to enroll at NMMI after a break of at least one semester. The application for readmission must include evidence that the student's record has improved to the extent that success at NMMI is highly probable.

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.

A cadet whose name has been published in the Daily Status Report under the category of Dismissed, Suspended, Withdrawn or "Drop From Rolls" is 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 may be permitted to participate in challenge examinations and/or be awarded a diploma or degree. 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. Enrollment in NMMI summer classes does not constitute re-enrollment.

Final grades and suspension policy. Cadets must complete the last scheduled day of classes and if suspended/dismissed on or before that day they will receive a WP/WF (college) or W (high school) on their transcript. High school cadets will receive withdrawal grades for the gaining school to use for transfer. If the cadet is suspended after the last day of classes (1500 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 and can only graduate if he/she regains status as a cadet in good standing (suspensions only).

Cadets who complete all course requirements, including final exams, will receive letter grades on their transcripts for all courses so 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 for disciplinary reasons, that cadet will not receive the diploma, nor degree nor take part in graduation. The transcript will be annotated “Met NMMI requirements for graduation. Diploma not awarded. Cadet withdrew.”

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. For classes where the grade is below a “C”, the cadet will receive a “W” grade and a refund of that fee. 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.

## ACADEMIC RESOURCES

### J. Penrod Toles Learning Center

Opened in 1985, this modern facility combines the traditional architecture of the campus with modern functions, esthetics, and technology. As a focal point of the Institute's academic life, the LRC is the home of the Paul Horgan Library, Franklin Student Assistance Center, Writing Center, and Information Services.

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

### Writing Center

The Writing Center provides assistance to every cadet who needs assistance with his/her writing. Cadets learn about the writing process and receive instructions on how to improve their writing skills. They receive instruction on any part of the writing task – from planning to write, to checking on correct grammar and usage conventions. The center is open during night study hall, and in the mornings from 0715 to 0750.

### Franklin Student Assistance Center

The Franklin Student Assistance Center, located in the J. Penrod Toles Learning Center, houses the Academic Advising and College Placement Department, the Career Lab and the Cadet Counseling Center. The Division serves as a focal point for all high school academic advising, career development and testing information. Additionally the Cadet Counseling Center, staffed by licensed counselors and the NMMI chaplain, provides personal and crisis counseling and handles referrals made by advisors and/or other faculty and staff. The Career Lab houses an extensive collection of college catalogs, viewbooks and brochures, college videos, testing information, test preparation programs and applications as well as several computers and printers connected to the Web for on-line applications and searches. The Career Lab Coordinator assists cadets with applications on-line, searches using the "ACT's DISCOVER" college, career and financial aid search web-based software, and with print media.

## ACADEMIC ADVISING AND COLLEGE PLACEMENT

New Mexico Military Institute has a centralized advising system for high school cadets located in the Franklin Student Assistance Center (SAC), and a faculty advising system for college cadets. A system of developmental advising is implemented for high school cadets whereby the advisor assists through a series of advising sessions the student in identifying personal and educational goals. Beginning in the Sixth Class year, advisors introduce cadets to time management and study skills, goal-setting and interest inventories, advancing to the Fifth Class to begin standardized test taking with the mandatory PLAN test. The Fourth Class begins the college planning process, identification of potential majors and search for appropriate colleges. Additionally, juniors take the PSAT, ACT and SAT, if desired. College plans and applications are finalized in the Third Class year culminating in final college choices, applications, scholarship searches and final testing.

Each student is assigned an academic advisor upon enrollment at New Mexico Military Institute. Each high school advisor/counselor is responsible for one high school grade level, moving progressively with that class from sixth class to graduation. Additionally, the advisor for foreign students is located in SAC, as is the NMMI Academy Liaison Officer for Air Force, Coast Guard, Merchant Marine and Navy prep students. Advising of college students is coordinated through SAC.

Academic Advisors mentor and advocate for the cadets, establishing a rapport and a caring attitude toward them and providing support for them as they learn to deal with the obligations in academics and in the Corps of Cadets, as well as the pressures of being away from home. Academic Advisors 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 student is given every avenue available to succeed. Finally, they coordinate preparation of the student's graduation plans and provide guidance to the student in the achievement of individual academic goals.

Specialists in personal counseling and academic guidance and counseling are available to all cadets. They provide cadets with career and educational information as well as administer and interpret achievement tests and interest inventories. The New Mexico Military Institute serves as a regional test center for Educational Testing Service's testing programs (PSAT, SAT I, SAT II, GRE AND CLEP) and the American College Testing Program. (PLAN and

ACT). The TOEFL is available off-campus. The Student Assistance Center maintains these regularly updated materials for cadet use: general and specialized college guides and directories, a computerized "ACT's DISCOVER" program on colleges, careers and financial aid; college catalogs and view books, books and pamphlets; video cassette materials; 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 preparation for professions.

## 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.

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, Squadron Leadership Advisors, 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 to discuss counseling strategies and explore new ways of assisting cadets. The focus is to identify ways to help cadets succeed.

**Deferred payment plan:** A fee is charged for this service. Under this plan, a deposit is required for Tuition and Fees as well as the amount needed for uniforms and school supplies. This initial payment is followed by monthly payments.

**3. 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 Cadet Account deposits. The Cadet Store and Golf Shop will accept the cards for purchases. Cash advances are not available.

**4. Financial Responsibility** - At the end of any semester, any student whose accounts have not been paid in full will not be eligible to re-enroll for the subsequent semester. NMMI reserves the right to cancel the registration of any student who fails to pay, when due any indebtedness. Credits, transcripts, and diplomas will be withheld until all financial obligations are met.

### **5. Scholarship Policy**

- a.) All current cadets and accepted applicants will automatically receive scholarship consideration.
- b.) 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 student withdraws from school for any reason during the first semester, he/she is not entitled to the scholarship if he/she is re-enrolled during the same academic year.
- c.) ROTC scholarships are administered under policies provided by the US Army and will be credited to recipients' accounts upon receipt.

### **6. Refund Policy**

- a.) Should a cadet withdraw or be dismissed, the semester tuition and fee charges (other than matriculation and fees imposed as a penalty) will be refunded as follows:
  - 1st five class days .....100%
  - Next five class days ..... 75%
  - Next ten class days..... 50%
  - Next ten class days..... 25%
- b.) There will be no refund for the semester room charge after the first day of classes. Semester board and laundry charges will be pro-rated



on a weekly basis. The insurance fee is non-refundable. No refund will be made for uniform items which have been altered, laundry marked or worn. Balances remaining in the Cadet Account will be refunded in full provided a balance is not due for tuition and fees. Please allow four (4) to six (6) weeks to process your account.

## PHYSICAL REQUIREMENTS

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 students 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 Review Board 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 student 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 non-discriminatory.

## PROCEDURES FOR APPLICATION FOR ADMISSION

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 should be completed and returned with a check for \$60.00 (payable to NMMI) to the Admissions Office; \$10.00 of this amount is an application processing fee and is not refundable. The remaining \$50.00 is a deposit and is subject to the conditions set forth on the application. Under some circumstances, the Director of Admissions may waive the deposit.

The family physician must fill out the medical forms and return them to the Admissions Office.

A former NMMI cadet reapplies for readmission by submitting a re-admission form and a formal application signed by the parent or guardian (or by the cadet if 18 years of age or older). A deposit of \$50.00 must be included with the request. If readmitted, cadet will be classified based upon the academic and disciplinary status that had been established upon departure. If the request for readmission is not granted, the \$50.00 will be returned.

## FINANCIAL ASSISTANCE

The New Mexico Military Institute provides an extensive program of student 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 cadets. The second area of assistance involves institutional scholarships available to both high school and college cadets. Cadet or prospective cadets with a genuine financial need may secure information by contacting the Director of Financial Aid, New Mexico Military Institute.

### Federal and State Assistance 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, so 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 deadline is May 1 with assistance awarded after that date depending upon availability of funds. The assistance programs open to NMMI cadets include:

1. Federal Pell Grant. At New Mexico Military Institute, students applying for assistance from any of the Federal programs must apply first for the Pell Grant. The amount of the grant may range from \$400 to \$3300.
2. Federal Supplemental Educational Opportunity Grants. New Mexico Military Institute has a limited number of these grants available for students with exceptional need.

3. Federal Perkins Loan. Students with exceptional need may receive loans up to \$4000 for each year of junior college. The loans carry an interest rate of 5%. Repayment begins nine months after the recipient ceases to be a student in any college or university, or after an authorized deferment.
4. Federal Subsidized & Unsubsidized Stafford Student Loan. Students may borrow up to \$2625 annually at variable interest. The federal government pays the interest while the student is in college. Repayment begins six months after the student leaves college or completes a deferment. The loan is secured from a participating bank, savings and loan agency, or credit union with New Mexico Military Institute certifying the cost of education and degree of student need. A number of states have also instituted student loan programs.
5. Federal Parents Loans for Undergraduate Students (PLUS). Parents may borrow directly from participating lenders. Borrowers must complete a standard credit application and be credit worthy. Repayment begins 60 days after the final loan disbursement.
6. Federal Work Study Program. Eligible students are employed on campus during their free time. Students work on the New Mexico work study average of six to ten hours weekly and are paid at or above current minimum wage.
7. State Student Incentive Grant. This program provides a limited number of grants of \$200 to \$2500 for especially needy college students who are residents of the State of New Mexico.
8. 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.

### **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 apply for NMMI scholarships. (Refer to ROTC Scholarship section in this catalog for information regarding 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 student from his/her district for scholarship consideration. In addition, non-selected applicants may be eligible to receive a scholarship that may not be awarded in a contiguous district. The award includes a state gratis scholarship covering the cost of tuition, fees and an amount to be applied towards uniforms for up to four total years. Renewal of the scholarship requires the student 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 Office of Admissions.

## **ACADEMIC AFFAIRS**

Academic offerings are grouped into seven divisions. Division heads, acting under the Dean, 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 and Business Administration, including criminal justice, business, political science, history, sociology, psychology and computer concepts; the Student Assistance Center including academic advising and college placement along with cadet counseling; Toles Learning Center, including the Library, Writing Center and other state of the art learning resource resources; Health, Physical Education and Recreation; and Military Science. The Military Science Division offers senior (college) ROTC programs operated by active duty and noncommissioned officers of the Department of the Army. The Junior ROTC Department also offers leadership courses for the high school.

Courses are offered leading to the high school diploma, associate in science and the associate in arts degree. Pre-professional curricula at the college level addresses concentration areas and specializations.

The Institute's high school academic program is identified by the North Central Association Commission on Accreditation and School Improvement as "College Preparatory." The Institute does not offer vocational-technical programs.

### **Authority in Academic Affairs**

The Academic Dean, aided by the Associate Dean/High School Principal, has final authority in academic matters pertaining to high school and college cadets.

### **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.

## **HOUSING**

All NMMI cadets are required to reside in the barracks.

## **VA BENEFITS**

NMMI enrolls a number of cadets who also drill with New Mexico National Guard and reserve units 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.

## **ATHLETICS**

NMMI is aware that physical fitness builds minds as well as bodies. Therefore, participation either through physical education classes, intramural sports, or other sponsored sports is required of all cadets each semester of attendance at NMMI.

Physical Education offers the following activities: tennis, golf, bowling, racquetball, swimming, backpacking, pickle ball, free weights, and nautilus. Instruction in senior lifesaving and water safety is also available. The Physical Education Department also offer academic classes in water safety instruction, foundations in physical education and sports, introduction to recreation, and fundamentals of athletic training.

## INTRAMURALS

Intramural athletics is a required afternoon program for all cadets. Cadets who participate in seasonal organized sports are excused from intramurals for the duration of the seasonal sport.

## VARSITY ATHLETICS

New Mexico Military Institute participates in varsity sports in both the high school and junior college divisions. As members of the National Junior College Athletic Association, the junior college teams compete with other colleges in football, basketball, golf, tennis, baseball, and volleyball.

The high school varsity teams are members of the New Mexico Activities Association and participate at the AAA level of competition. Varsity teams are sponsored in the areas of football, basketball, track, soccer, volleyball, swimming, golf, tennis, baseball, wrestling, track, and cross country.

## FACILITIES

### Toles Learning Center (Paul Horgan Library)

Centerpiece of Toles Learning Center, the Paul Horgan Library embodies the NMMI mission to “provide challenging academic preparation through a structured learning environment.” The Library offers cadets opportunities for intellectual growth and disciplined study. An educated person must locate, interpret, and apply vast subjects, formats, and amounts of information. To be college-ready, students must analyze, synthesize, evaluate, and assess varied sources of data and information. In so doing, they will acquire knowledge and continue a life of learning with a global perspective.

An impressive space of multiple sides and 2<sup>1/2</sup> floors, the Paul Horgan Library reflects the vision of its namesake, the Pulitzer Prize winning author, librarian, and former cadet. In keeping with Colonel Horgan's spirit, the Library is student-centered and inviting. Southwestern accents, leather sofas, deep-seated chairs, and dark wood trim create a warm refuge in the Library. Our friendly, specialized staff and librarians will help you navigate your way around the complicated world of information, in scheduled classes, impromptu requests, and in a Library course.

Organized by the Dewey decimal system, the Library contains over 70,000 items, across disciplines, including:

- Reference;
- Periodicals;
- Literature and literary criticism;
- Ethics and Philosophy;
- History and Social Sciences;
- Contemporary issues;
- Audio-visuals – DVD's, CD's, VHS, & audiobooks.

The Library's electronic access and equipment opens its walls. From classrooms, dorms, and beyond, our Webpage directly connects cadets with the online catalog and electronic sources such as:

- Business Source Elite
- Electric Library
- OCLC's FirstSearch (with interlibrary loan capabilities among 6,700 libraries)
- The Internet
- InfoTrac's Health and Wellness Resource Center
- Medline Plus
- Oxford English Dictionary
- ProQuest

The Library further enriches the campus culture through its facilities:

- conference rooms for group study;
- classrooms with emerging technology;
- Mabee Lecture Hall for theater-quality presentations;
- the Ward Room Special Collection of rare and unique scholarly materials; and
- NMMI's Writing Center for class or individual instruction.

The Daniels Television Center broadcast studio and production facility makes possible the production of various media for classes, student projects, and Institute history. Courses in broadcast media are available through the Humanities division.



## Alumni 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.

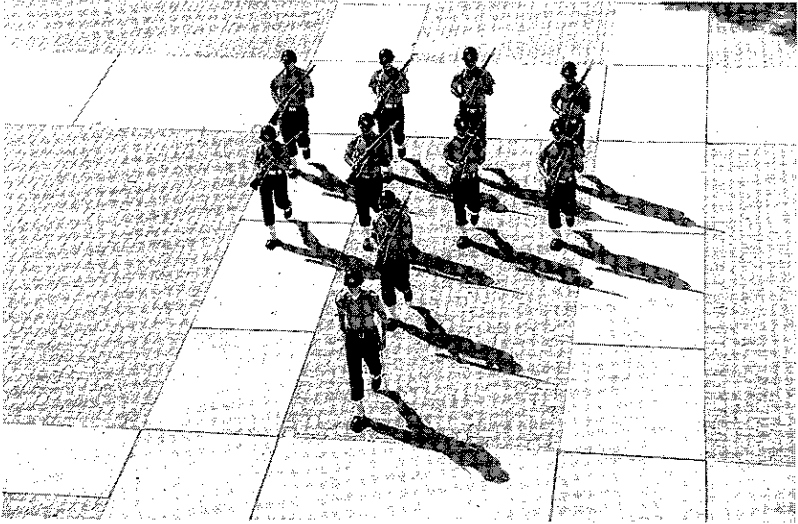
The chapel is located at the entrance to the campus as a solid statement of NMMI's philosophy that spiritual development is necessary for a complete education. As such, it is the spiritual center of the life of the Corps of Cadets. The chapel serves as a worship center for Catholic, Protestant, Moslem, 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.

## McBride Museum

The General Douglas L. McBride Museum is a public museum dedicated to the contributions of New Mexicans, their state and NMMI to our country's 20th century military history. Luna Natatorium, a memorial to Second Lieutenant Antonio J. Luna – the first NMMI alumnus to die in the service of his country, has undergone adaptive renovation and now stands ready for its new role as a military museum more than six decades after its construction.

Through the generosity of General Douglas L. McBride, NMMI alumni and friends, the Southwest now has a modern, professional, public facility.

# Junior College Program



## ADMISSION TO THE JUNIOR COLLEGE

New students 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 under one of three sets of criteria:

1. Minimum of a 2.0 average or better on a 4.00 scale for all high school core courses and an ACT or SAT score of 18 or 870, respectively, or better; or admission to a commissioning program or preparatory program leading to a commission with any branch of the United States Armed Forces.
  - High school core courses used in calculating the average shall include courses in: Humanities, Mathematics, Sciences, Computer Sciences, and Social Sciences.

or

2. Minimum of a 2.5 average or better on a 4.00 scale for all high school core courses and graduating in the top 50% of the high school class.
  - High school core courses defined as in paragraph 1 above.

or

3. Failing to meet the above academic standards, students must be recommended by the NMMI Admission Committee in accordance with established procedures.

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 students whose primary language is not English must have a score of 500 (paper based test) or 173 (computer) or better in the Test of English as a Foreign Language (TOEFL), and may substitute these tests for the ACT.

## GRADUATION REQUIREMENTS

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

### ASSOCIATE IN ARTS DEGREE

The Associate in Arts Degree is designed to provide a solid foundation in the liberal arts for students interested in pursuing a four-year or advanced degree in Humanities, Business, Social Science, or related fields.

The requirements for the Associate in Arts Degree are:

**Residency** - A college cadet must earn a minimum of 24 credit hours at NMMI and spend two semesters in residence.

**Semester Hours** - Minimum of 68 hours is required, no more than 12 (contract cadets only) in Military Science. Credit may be transferred from other accredited schools if the courses and grades are acceptable. Courses transferred from other schools do not affect the grade point average at NMMI.

**Required Subjects:** The core curriculum of required courses (46 hours Gen. Ed. requirements) is:

- English - 2 courses
- Communications - 1 course
- History - 2 courses
- Laboratory Sciences - 2 courses
- Social Science - 2 courses
- Mathematics - 1 course
- Military Science - 4 courses
- Physical Education - 2 courses
- Humanities or Language - 2 courses
- Electives - 6 to 10 courses

Total 68 hours for graduation

**English** - Cr. 6 hrs. - two courses

English 111, plus three hours from either composition (ENG 112; ENG 218, Technical Writing; or BUS 204, Business Writing) or literature (ENG 211-212, Western World Literature I, II; ENG 221-222, English Literature I, II; ENG 235-236, American Literature I, II).

**Communications** - Cr. 3 hrs. - one course

COM 123 - Public Speaking

**History** - Cr. 6 hrs. - two courses  
Any combination of courses with the HIS designation.

**Laboratory Science** - Cr. 8 hrs.  
Any two lab sciences except CHM 101

**Social Science** - Cr. 6 hrs.  
Six hours from designated, non-history social science courses. (See course descriptions; courses meeting the Social Sciences requirement are so labeled.)

**Mathematics** - Cr. 3 hrs.  
MTH 125 or higher.

**Military Science** - Cr. 6 hrs.  
Six to twelve semester hours (non-contract six hours, contract twelve hours). ROTC contract cadets must have taken American Military History by the time they get their bachelor's degree.

**Physical Education** - Cr. 2 hrs.  
Two hours of PE activity courses. A PE course may not be taken twice, and a maximum of 4 credit hours of activity PE may be used to fulfill degree requirements. (PHE 234, 3 credit hours, and PHE 237, 3 credit hours, each satisfy one activity credit.)

**Humanities or Modern Language** - Cr. 6 hrs.  
Non-language courses which satisfy this requirement are so labeled in the course description section.

**Grade Point Average** - The minimum cumulative GPA for the Associate in Arts Degree is 2.0.

## ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Degree is designed to provide a solid foundation in mathematics and the sciences for students interested in pursuing a four-year or advanced degree in Mathematics, Sciences, Engineering, Pre-medical/dental/veterinarian, or related fields.

The requirements for the Associate in Science Degree are:

**Residency** - A college cadet must earn a minimum of 24 credit hours at NMMI and spend two semesters in residence.

**Semester Hours** - Minimum of 68 hours is required, no more than 12 (contract cadets only) in Military Science. Credit may be transferred from other accredited schools if the courses and grades are acceptable. Courses transferred from other schools do not affect the grade point average at NMMI.

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 128-140 semester graduation total which most colleges require for the bachelor's degree. However, as is increasingly becoming common, many bachelor's degrees require 10 semesters to complete. All graduates are required to complete the CAAP assessment in the last semester.

Working with their academic advisors, NMMI college cadets can currently, within the A.A. degree, complete concentrations in the following:

- Art
- Communications
- English
- German
- Spanish
- Business
- Business Administration
- Computer Information Systems
- Criminal Justice
- Government
- Political Science
- Pre-law
- History
- Physical Education

Working with their academic advisors, NMMI college cadets can currently, within the A.S. degree, complete concentrations in the following:

- Mathematics/Science
- Construction Engineering
- Life Sciences
- Mathematics
- Physical Sciences
- Pre-Engineering
- Pre-med/Pre-dental/Pre-vet

The completed concentrations will be listed on the student's transcript. In all cases, ROTC contract cadets must meet additional requirements. Those students who do not complete one of those listed will be awarded the concentration in Liberal Arts.

## NORMAL CLASS LOADS

The normal academic load for college cadets is 17 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 Division Advisor/Chair 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.

## TRANSFER OF COLLEGE CREDITS

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 meet NMMI graduation requirements or are accepted as elective credits. Transfer grades are not used to compute cumulative grade point averages.

With the exception of some remedial courses, NMMI credits generally are transferable to any university in the nation.

New Mexico Commission of Higher Education (CHE) routinely prepares a chart showing comparable courses which meet basic requirements and transfer between colleges in New Mexico at <http://nmche.state.nm.us/colleges/transfercredits.asp>

## COLLEGE CORRESPONDENCE COURSES

Correspondence/online courses must meet the following criteria:

- Cadet must take the course at NMMI if offered
- If the cadet cannot schedule the required class in the last semester of the graduation year, the cadet can request a correspondence or online course
- A cadet may take a correspondence/online course if the course is not offered in the curriculum, and must receive the Dean's permission prior to enrolling in the course
- Online courses must have a mandatory valid login.

## COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) CREDIT BY CHALLENGE

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 "A" or "B" on a scale published by the College Entrance Board. Credit for CLEP General Examinations will be awarded if the cadet attains a "B" grade. English Composition with Essay is the only CLEP General Examination that will generate credit for the NMMI courses ENGLISH 111 and/or ENGLISH 112.

**CLEP SCORES** As posted on the College Board web site. Some courses NMMI does not accept for transfer credit. See the CLEP administrator or Registrar for current passing scores and transfer.

CLEP EXAMINATION	CREDIT	EQUIVALENT
<b>COMPOSITION</b>		
AMERICAN LITERATURE	6.0	ENG235/236
ANALYZING & INTERPRETING LITERATURE	6.0	HUM CREDIT
ENGLISH COMP WITH ESSAY	6.0	ENG111/112
ENGLISH LITERATURE	6.0	ENG221/222
HUMANITIES	3.0-6.0	1 OR 2 HUM



SCIENCE & MATHEMATICS		
ALGEBRA	3.0	MTH136
ALGEBRA-TRIGONOMETRY	3.0	MATH ELECTIVE
BIOLOGY		NO LAB SCIENCE
CHEMISTRY		NO LAB SCIENCE
CALCULUS WITH ELEM FUNCTIONS	6.0	MTH195 AND 2.0 ELECTIVE
COLLEGE MATHEMATICS		NONE
NATURAL SCIENCE		NONE
TRIGONOMETRY	3.0	MTH186
FOREIGN LANGUAGES		
FRENCH LEVEL 1	8.0	FRN111, 112
FRENCH LEVEL 2	6.0	NA
GERMAN LEVEL 1	8.0	GER111, 112
GERMAN LEVEL 2	6.0	GER211, 212
SPANISH LEVEL 1	8.0	SPN111,112
SPANISH LEVEL 2	6.0	SPN211,212
HISTORY & SOCIAL SCIENCE		
AMERICAN GOVERNMENT	3.0	POL111
EDUCATIONAL PSYCHOLOGY	3.0	PSY199
HISTORY OF THE US I	3.0	HIS211
HISTORY OF THE US II	3.0	HIS212
HUMAN GROWTH & DEVELOPMENT	3.0	SOC SCI REQUIREMENT
MACROECONOMICS	3.0	ECN211
MICROECONOMICS	3.0	ECN212
PSYCHOLOGY, INTRO	3.0	PSY101
SOCIAL SCIENCES & HISTORY		TBD
SOCIOLOGY, INTRO	3.0	SOC101
WESTERN CIVILIZATION I	3.0	HIS101
WESTERN CIVILIZATION II	3.0	HIS102
BUSINESS		
ACCOUNTING, PRINCIPLES	6.0	BUS213/214
BUSINESS LAW, INTRO	3.0	BUS202
INFO SYSTEMS & APPLICATIONS	3.0	CIS117
MANAGEMENT, PRINCIPLES OF	3.0	BUS201
MARKETING, PRINCIPLES OF	3.0	BUS ELECTIVE

## CREDIT BY ADVANCED PLACEMENT EXAMINATION

NMMI grants credit on the AP Exam as specified in the following table.

AP EXAM	SCORE	COURSE CREDIT	CREDIT HOURS
ART HISTORY	3-5	ART131	3.00
BIOLOGY	3 OR 4	BIO101	4.00
	5	BIO101 & BIO102	8.00
CALCULUS AB	3-5	MTH195	4.00
CALCULUS BC	3 OR 4	MTH196	4.00
	5	MTH195 & MTH196	8.00
COMPUTER SCIENCE A			
COMPUTER SCIENCE AB		NONE	
CHEMISTRY	3 OR 4	CHM111	4.00
	5	CHM111 & CHM112	8.00
ECONOMICS MACRO	3-5	ECN211	3.00
ECONOMICS MICRO	3-5	ECN212	3.00
ENG LANG/LIT COMPOSITION	3	ENG103	3.00
	4	ENG111	3.00
	5	ENG111 & ENG112	6.00
ENVIRONMENTAL SCIENCE			
EUROPEAN HISTORY	3 OR 4	HIS101	3.00
	5	HIS101 & HIS102	6.00
FRENCH LANGUAGE	3	FR111 & FRN112	8.00
	4	FRN111, 112, 211	11.00
	5	FRN112, 112, 211, 212	14.00
FRENCH LITERATURE			
GERMAN LANGUAGE	3	GER111, 112	8.00
	4	GER111, 112, 211	11.00
	5	GER111, 112, 211, 212	14.00
GOVERNMENT & POLITICS, US	3-5	POL111	3.00
GOVERNMENT & POLITICS, COMPARITIVE	3-5	POL214	3.00
HUMAN GEOGRAPHY			
INTERNATIONAL ENGLISH LANGUAGE			

LATIN LITERATURE			
LATIN: VERGIL			
MUSIC THEORY			
PHYSICS B	3 OR 4	PHY111	4.00
	5	PHY111 & PHY112	8.00
PHYSICS C - ELECTRICAL			
PHYSICS C-MECH	4 OR 5	PHY213	5.00
PSYCHOLOGY	3-5	PSY101	3.00
SPANISH LANGUAGE	3	SPN111, 112	8.00
	4	SPN111, 112, 211	11.00
	5	SPN111, 112, 211, 212	14.00
SPANISH LITERATURE			
STATISTICS			
STUDIO ART	3-5	ART105	3.00
STUDIO ART: 2D DESIGN	3	ART101	3.00
STUDIO ART: 3D DESIGN	4 OR 5	ART 101 & ART110	6.00
US HISTORY	3 OR 4	HIS211	3.00
	5	HIS211 & HIS212	6.00
WORLD HISTORY	3 OR 4	HIS105	3.00
	5	HIS105 & HIS106	6.00

### CHALLENGE EXAMINATIONS

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 \$35.00 fee for the challenge examination will be required in accordance with current Board of Regents' policies. Challenge examination results are reported on a "Credit" or "No 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. A challenge exam may not be attempted if the student has already received a grade for the attempted course, nor during the last three weeks of a semester without special permission.

## COLLEGE COURSES

### DIVISIONS OF HUMANITIES

#### DIVISION CHAIR

**Jean C. Maley, Colonel, NMMI** (1975). Modern Languages M.A., University of Arizona

#### PROFESSORS

**Darlene L. Logan, Colonel, NMMI** (1978) (1981). English. M.A., Texas Tech University

#### ASSOCIATE PROFESSOR

**Jeff Boyd, Major, NMMI** (2001) Communications M.A. Texas Tech University

**John Camp, Lieutenant Colonel, NMMI** (1988) English M.A., Southern Methodist University

**A. Steve Gallegos, Lieutenant Colonel, NMMI** (1981) Modern Languages. M.S., New Mexico Highlands University

**M. Susan Griebel, Lieutenant Colonel, NMMI** (1989) English. M.Ed., Eastern New Mexico University

**Carolyn Satterlee, Lieutenant Colonel, NMMI** (1994) Director of Reading Programs, M.A., U.S. International University

**Natalie Stewart-Smith, Lieutenant Colonel, NMMI** (1997) English M.Ed., Edinboro University, M.A., Washington State University

**Lewis Toland, Lieutenant Colonel, NMMI** (1999) English Ph.D., University of Kansas

**Gregory Wassil, Lieutenant Colonel, NMMI** (1999) English Ph.D., City University of New York

#### ASSISTANT PROFESSORS

**Elizabeth Boese, Major, NMMI** (1999). English M.A. Middleburg College

**Holly Huber, Major, NMMI,** (1998) Art, Department Chair, M.A.Ed., Eastern New Mexico University

**Dirk Lehmann, Major, NMMI** (1999) German, B.A., Rheinische Friedrich Wilhelms Universitaet Bonn, M.A., University of Missouri

**Daniel L. Musgrave, Chaplain, Major, USA (Ret)** (1999) Philosophy and Chaplain M. Div. United Theological Seminary, M.A. Butler University.

**Parish Palmer, Major, NMMI,** (1998) English M.Ed., Northern Arizona University

Linda K. Scott, Major, NMMI  
(1999) English Ph.D., University of  
Maine

Steve Thorp, Major, NMMI,  
(1997) Music, Department Chair,  
M.M., Eastern New Mexico  
University

## INSTRUCTORS

Kenneth G. Tuttle, First Sergeant,  
NMANG (Ret) (2003),  
Bandmaster, Music M.E., New  
Mexico Highlands University

### English

#### ENG 100 - Basic Writing - Cr. 3 hrs\*

Provides the fundamentals of composition in standard English, with an emphasis on the sentence and short writing tasks. A required course for students with TOEFL scores of 500-550, ACT English scores of 16 or lower, or SAT verbal scores of 330 or lower, or COMPASS placement score at or below 39.

\*Courses numbered 100 are remedial level and do not generate graduation credit hours. This course may be used to meet residency and eligibility requirements, but may not be used to fulfill the 68 hour graduation requirement.

#### ENG 103 - Writing Workshop - Cr. 3 hrs\*

Develops skills in grammar, spelling, vocabulary, and composition in a workshop atmosphere. Required for students who need to strengthen basics before enrolling in Freshman Composition as determined by COMPASS scores from 40 - 69. Prerequisite: Minimum grade of C in ENG 100 or ACT English minimum score of 17 or SAT verbal minimum score of 340. \* This course may be used to meet residency and eligibility requirements, and may be used to fulfill the 68-hour graduation requirement. However, it does not fulfill the English graduation requirement.

#### ENG 111 - Freshman Composition - Cr. 3 hrs.

Includes expository composition, the study of rhetoric, vocabulary, grammar and usage, spelling, and models for writing. Requires library paper. Mandatory core requirement. Prerequisite: ACT English score of 19 or SAT verbal of 490 minimum. Placement for those scoring 18 or less on the ACT and 490 or less SAT verbal score will be determined by a COMPASS test. The minimum COMPASS score is 70. (This course is a prerequisite for all 200-level English courses.)

**ENG 112 - Freshman Composition**  
- Cr. 3 hrs.

Continues ENG 111, focusing on expressive, expository, and critical writing about literature and film. Satisfies the English graduation requirement. Recommended for all students who transfer to four-year colleges. Pre-requisite ENG 111.

**ENG 140 - The Bible as Literature**  
- Cr. 3 hrs. (Satisfies Humanities Requirement)

Considers selected portions of the Bible to represent its various genres (hortatory, prophetic, poetic, gospels, epistolary, and apocalyptic). Closely reads representative passages in order to capture the historical, literary, and theological aspects. Briefly notes the relation of the Bible's influence on other literature.

**ENG 211 - Western World Literature I** - Cr. 3 hrs. (Satisfies Humanities Requirement)

Offers reading in the major literature of the Western world from Greco-Roman times to the Renaissance. The readings will reflect intellectual, cultural, historical, and literary changes. Composition required. May apply toward the English graduation requirement. Pre-requisite: ENG111.

**ENG 212 - Western World Literature II** - Cr. 3 hrs.  
(Satisfies Humanities Requirement)

Continues readings of the major literature of the West that reflect social and literary developments from the Neo-classical period to the Twentieth Century. Composition required. May apply toward the English graduation requirement. Prerequisite: ENG111.

**ENG 218 - Technical Writing** - Cr. 3 hrs.

Emphasizes the theory and practice of writing in technical fields. Stresses efficient writing processes and effective written products, including correspondence, resumes, and reports. Students successfully completing this course may not enroll in BUS 204. Prerequisite: ENG 111. May apply toward the English graduation requirement.

**ENG 221 - English Literature I** - Cr. 3 hrs. (Satisfies Humanities Requirement)

Surveys major writers of English literature with some attention to minor authors and to trends and backgrounds. One oral report and one paper. Major authors studied: Chaucer, Spenser, Shakespeare, Donne, Johnson, Milton, Dryden, Swift, Pope, Johnson. May apply toward the English graduation requirement. Prerequisite: ENG111.

**ENG 222 - English Literature II -  
Cr. 3 hrs. (Satisfies Humanities  
Requirement)**

Continues ENG 221 with the following main authors studied: Wordsworth, Coleridge, Byron, Shelly, Keats, Tennyson, Browning, Arnold, Yeats, Eliot. May apply toward the English graduation requirement. Prerequisite: ENG111.

**ENG 235 - American Literature I  
- Cr. 3 hrs. (Satisfies Humanities  
Requirement)**

Covers American writing from the colonial period to the Civil War with emphasis upon the chief figures. Historical and literary developments are studied, along with literary types, both prose and poetry. A critical review is required. May apply toward the English graduation requirement. Prerequisite: ENG111.

**ENG 236 - American Literature II  
- Cr. 3 hrs. (Satisfies Humanities  
Requirement)**

Continues ENG 235 and carries the student into modern American writers and movements. A critical review is required. May apply toward the English graduation requirement. Prerequisite: ENG111.

**RDG 100 - Reading/Study Skills -  
Cr. 3 hrs\***

Develops college level reading and study strategies via individualized diagnosis and work assignments. A required course for all students

concurrently enrolled in ENG 100. Students who pass an initial screening examination may be excused.

\*Courses numbered 100 are remedial level and do not generate graduation credit hours. This course may be used to meet residency and eligibility requirements, but may not be used to fulfill the 68 hour graduation requirement.

**Communications**

**COM 101 TV Production -  
Cr. 3 hrs.**

Introduces the elements of television production. Students will learn the basics of video production, use and maintenance of video and studio cameras; basics of framing and elements of audio, lighting and linear editing. Through field exercises and use of equipment, students will learn basic concepts relevant to the history of broadcasting and its influence on American culture.

**COM 102 Broadcast Journalism -  
Cr. 3 hrs.**

Course builds upon TV Production but with emphasis on the work of the television studio. Students will learn elements of newscast writing, different formats and various production positions. Field exercises. Prerequisite: COM 101 and instructor's permission.

**COM 110 - Introduction to Mass Communications - Cr. 3 hrs.**

Focuses on mass communications and its effects on society. Covers the history, theories, development and impact of various forms of mass communications on popular culture and society.

**COM 111 - Journalism - Cr. 3 hrs.**

Builds upon composition skills learned in previous courses and applies those skills to journalistic writing with a focus on newspaper work. Students should possess basic word processing skills. Prerequisite: ENG 111, or ENG111 co-enrollment

**COM 112 - Newspaper Practicum - Cr. 1 hr.**

Builds upon the skills learned in COM 111. Repeatable for a total of 3 credits. Prerequisites: ENG 111, COM 111, or permission of instructor.

**COM 123 - Public Speaking - Cr. 3 hrs.**

Delineates principles of public speaking and various types of public addresses. Emphasis on clear, competent expression through thorough preparation. Tape recordings for individual study.

**COM 131/132 - Practicum in Yearbook Production - Cr. 1-1 hrs.**

Affords opportunity for individually directed study and practice in the

processes of yearbook preparation and print plant procedures; develops knowledge of production techniques of the printing and publishing industries through hands-on work resulting in the production of the NMMI yearbook, the Bronco. Each course may be repeated once.

**COM 198 - Television Production Internship - Cr. 1 hr.**

Provides both theoretical knowledge and hands-on experience in the process of television production. May be repeated up to a total of three (3) semester hours. Prerequisite: Permission of instructor.

**Modern Languages**

Students with up to two years of high school language should enroll in the 111-112 series. Students with three years or more of high school language should enroll in the 211-212 series.

Students should enroll sequentially in language courses.

**Language Laboratory:**

Each student enrolled in the 111-112 series will have two periods of language laboratory each week. A lab fee is required.



**FRN 111-112 - Elementary  
French - Cr. 4-4 hrs.  
(Satisfies Humanities Requirement)**

Stresses grammar and basic skills; listening, speaking, reading and writing. The class meets daily with three hours of lecture and two periods of lab each week.

**GER 111-112 - Elementary  
German - Cr. 4-4 hrs.  
(Satisfies Humanities Requirement)**

Stresses grammar and basic skills; listening, speaking, reading and writing; the class meets daily, with three hours of lecture and two periods of lab each week.

**GER 211-212 - Intermediate  
German - Cr. 3-3 hrs.  
(Satisfies Humanities Requirement)**

Continues the study of grammar and language, and stresses effective reading. Prerequisite: GER 112, two years of high school German, or permission of the instructor.

**SPN 111-112 - Elementary  
Spanish - Cr. 4-4 hrs.  
(Satisfies Humanities Requirement)**

Stresses grammar and basic skills; listening, speaking, reading and writing. The class meets daily with three hours of lecture and two periods of lab each week.

**SPN 211-212 - Intermediate  
Spanish - Cr. 3-3 hrs. (Satisfies  
Humanities Requirement)**

Continues the study of grammar and language, and stresses effective reading. Prerequisite: SPN 112, two years of high school Spanish, or permission of the instructor.

## Humanities

**HUM 110 - Ethics in Leadership -  
Cr. 3 hrs. (Satisfies Humanities  
Requirement)**

Integrates readings from humanities, experiential exercises, films and contemporary readings on leadership. Phi Theta Kappa leadership course. Permission required.

## Art

**ART 101 - Basic Design - Cr. 3 hrs.**

Introduces elements and principles of two dimensional design. Requires completion of projects for individual portfolios. (Material cost: approx. \$35.00) (Fall semester)

**ART 105 - Drawing - Cr. 3 hrs.**

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

**ART 110 - Color and Composition  
- Cr. 3 hrs.**

Introduces color theory and its uses. Explores color composition combinations and resulting outcomes. Prerequisite: ART 101 and permission of instructor (Spring semester).

**ART 131 - Art History - Cr. 3 hrs.  
(Satisfies Humanities Requirement)**

Surveys painting, sculpture, architecture from Paleolithic to Renaissance. Research paper required. (Fall semester)

**ART 132 - Art History - Cr. 3 hrs.  
(Satisfies Humanities Requirement)**

Surveys painting, sculpture, architecture from Renaissance to Modern. Research paper required. (Spring semester)

**ART 199 - Portfolio Enhancement  
- Cr. 1-3 hrs.**

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

**ART 202 - Painting - Cr. 3 hrs.**

Introduces painting, Emphasizes color theory and mixing, developing technique, and control of media. Prerequisite: ART 101, 105, and 110 or permission of instructor. (Material cost: approximately \$35.00)

**Drama**

**DRA 101 - Drama as Literature -  
Cr. 3 hrs. (Satisfies Humanities  
Requirement)**

This course surveys drama as literature and includes selections from the ancient Greeks to the present. (Satisfies Humanities requirement)

**DRA 103-104 - Theater  
Production - Cr. 1-1 hrs.**

Provides exercises and workshops in theater skills, stagecraft and technical support or production. May repeat one time.

**Music**

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.

**MUS 101-102 - Band I - Cr. 1 hr.  
MUS 201-202 - Band II - Cr. 1 hr.**

Provides marching and concert band performance experience. The marching band aspect begins in August and continues until the football season is completed. Emphasis on performance in a concert setting begins in November and continues through the remainder of the academic year.

Admission is gained through audition or invitation of the Band Master.

**MUS 103-104 - Jazz Band I**

- Cr. 1 hr.

**MUS 203-204 - Jazz Band II**

- Cr. 1 hr.

Provides opportunities for those qualified students who are interested in jazz, popular, and "big band" music. Admission is gained by audition or invitation of the Band Master.

**MUS 105-106 - Concert Choir I**

- Cr. 1 hr.

**MUS 205-206 - Concert Choir II**

- Cr. 1 hr.

Provides opportunities for those interested in singing and performing vocal music of numerous periods and styles. Admission is gained by audition or invitation of the choral director.

**MUS 107-108 - Catholic Chapel Choir I - Cr. 1 hr.**

**MUS 109-110 - Protestant Chapel Choir I - Cr. 1 hr.**

**MUS 207-208 - Catholic Chapel Choir II - Cr. 1 hr.**

**MUS 209-210 - Protestant Chapel Choir II - Cr. 1 hr.**

Provides opportunities for those interested in singing and performing sacred music.

**MUS 111-112 - Applied Music Lessons - Cr. 1 hr.**

**MUS 211-212 - Applied Music Lessons - Cr. 1 hr.**

Provides private music instruction on piano, voice, and various instruments. Prerequisite: Permission of instructor.

**MUS 113-114 - Vocal Ensemble - Cr. 1 hr.**

**MUS 213-214 - Vocal Ensemble - Cr. 1 hr.**

Provides opportunities for those qualified students who are interested in small vocal ensemble participation and its related musical genres (jazz, popular, madrigal, barbershop, etc.) Admission by audition or invitation of Choral Director.

**MUS 115 - Small Ensemble - Cr. 1 hr.**

Provides a small ensemble performance experience as well as an expansion of instrument techniques. Prerequisite: permission of instructor. (Can be repeated.)

**MUS 130 - Music Appreciation - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Delineates music listening and surveys music literature from the Renaissance period to the present. Open to all students. No previous training in music is required.

**MUS 140 - Fundamentals of Music Theory - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Studies include music notation, rhythms, scales, intervals, and chord structure. Critical listening skills and very basic piano knowledge will be developed and required. Designed for music students wanting to learn to write music and understand the intricacies of music. Previous training in music is required.

**MUS 199 or 299 - Independent Study in Music - Cr. 1-3 hrs.**

Prerequisite: Permission of instructor.

**Philosophy**

**PHL 111 - Introduction to Philosophy - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Considers philosophical problems of lasting significance. Includes critical study of works of important philosophers and representative philosophical areas, with emphasis on the process of formal analysis.

**PHL 120 - World Religions - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Surveys the great world religions with a rational analysis of the concepts of God, creation, man, scripture and ethics presented. Religious movements to be discusses

include: Islamic, Hinduism, Buddhism, Taoism, Confucianism, Judaism and Christianity.

**PHL 181 - Critical Thinking - Cr. 3 hr. (Satisfies Humanities Requirement)**

Studies informal logic and critical thinking, using writing, debate and persuasive speaking to put theory into practice.

**PHL 201 - Ethics - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Introduces issues arising in the study of moral philosophy, the development of moral theory and its application to contemporary problems. Special consideration is given to the language and logic of arguments (meta-ethics).

**PHL 202 - Logic - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Introduces both deduction and induction. In the case of the former, consideration is given to both categorical and propositional logic. In the case of latter, consideration is given to analogy, causality and Mill's Methods, probability, statistical reasoning, and hypothetical generalization. Informal fallacies are considered as well.

**PHL 299 - Special Studies in Philosophy - Cr. 1-3 hrs.**

Prerequisite: permission of instructor.

**Division of Natural Sciences  
and Mathematics**

**DIVISION CHAIR**

**Terry L. Cleveland, Colonel,**  
NMMI (1973) D.A., University of  
Northern Colorado

**PROFESSORS**

**Cheryl A. Martinez, Colonel,**  
NMMI (1986) Mathematics,  
M.S.T., New Mexico Institute of  
Mining and Technology

**James B. Montgomery, Jr.,  
Lieutenant Colonel, USAR (Ret)**  
(1981) Biology, Ph.D., Texas Tech  
University

**Michael A. Ryan, Colonel, NMMI**  
(1987) Mathematics, M.A.,  
Northern Arizona University

**Robert E. Willis, Jr., Colonel,**  
NMMI (1991) Physics, Ph.D.,  
Duke University

**Eugene K. Zuber, Colonel, NMMI**  
(1977) Chairman, Department of  
Mathematics M.S., East Texas State  
University

**ASSOCIATE PROFESSOR**

**Jerry A. Garcia, Lieutenant  
Colonel, NMMI (1978)**  
Mathematics, M.S., Eastern New  
Mexico University

**Mary E. Hanson, Lieutenant  
Colonel, NMMI (1989)** Physical  
Sciences, M.A., Indiana University

**Sandra L. Rieke, Lieutenant  
Colonel, NMMI (1989)**  
Mathematics, M.S.Ed., Indiana  
University

**ASSISTANT PROFESSORS**

**Mary Beth Atwood, Major, NMMI**  
(1994) Biology, M.S., New Mexico  
State University

**Clare L. Galloway, Major, NMMI**  
(2000) Mathematics, M.A., New  
Mexico State University, M.S.,  
University of North Texas

**Thomas Tekut, Major, NMMI,**  
(1998) Chemistry, Ph.D., Texas  
Tech University

**Elena A. Viltchinskaia, Major,**  
NMMI (2002) Chemistry, Ph.D.,  
Ural Polytechnic Institute

**INSTRUCTORS**

**Will Boston, Captain, NMMI**  
(2002), Biology, M.S., Texas Tech  
University Health Sciences Center

**David Crilly, Captain, NMMI**  
(2003), Mathematics, B.S.  
Northeastern State University

**Nancy Hein, Captain, NMMI**  
(2002), Biology, M.S., University of  
Alaska, Anchorage

## Biology

### **BIO 101-102 - General Biology - Cr. 4-4 hrs. (3-2L)**

Studies the unifying principles of life: cell structure and metabolism, genetics and evolution, plant and animal structure and function, and ecology and animal behavior. A survey of the kingdoms of life is included. Open to all students. Lab fee is required.

### **BIO 190 - Current Issues in Life Sciences, Medicine and the Environment - Cr. 1 hr.**

A weekly seminar for students, regardless of major, who are interested in today's issues in the life sciences, the environment and medicine, and who wish to further understand and explore questions raised by these issues. Prerequisite: Enrollment limited to students who have completed a science course and one semester at NMML. Permission required.

### **BIO 199 - Special Problems in Biology - Cr. 1-3 hrs.**

Prerequisite: Permission of instructor.

### **BIO 218-219 - Human Anatomy and Physiology - Cr. 4 hrs. (3-3L)**

Details the structure and function of the human body. Prerequisite: one year of biology, either in college or high school. Lab fee required.

### **BIO 221 - Microbiology - Cr. 4 hrs. (2-4L)**

Introduces the physiology, morphology and activities of micro-organisms. Labs involve practice in the techniques of isolation, culture and identification of micro-organisms. Lab fee required.

## Physics

### **PHY 111-112 - General Physics - Cr. 4-4 hrs. (3-3L)**

Classical physics with emphasis on physical principles as applied in mechanics, heat, sound, electricity, optics and atomic structure. Assumes facility with trigonometry and algebraic manipulations, including solving two equations in two unknowns. Lab fee required.

### **PHY 199 - Special Problems in Physics - Cr. 1-3 hrs.**

Prerequisite: Permission of instructor.

### **PHY 213-214 - Engineering Physics - Cr. 5-5 hrs. (4-2L)**

Fundamental for engineers, science students, and pre-meds. First semester: mechanics, waves, thermodynamics. Second semester: electricity, optics, modern physics. Extensive problem solving. Lab fee required. Prerequisite: Calculus, MTH 195-196.

**PHY 222 - Engineering Statics -  
Cr. 3 hrs.**

Studies engineering mechanics using vector methods. Includes study of rigid bodies in equilibrium, center of gravity, beams, flexible cables and trusses. Prerequisite: high school or college physics. Calculus co-requisite or consent of instructor required.

**Chemistry**

**CHM 101 - Introduction to  
Chemistry - Cr. 3 hrs. (3-1L) (Does  
Not Satisfy Science Requirement)**

Provides an overview of the significance of chemistry in many areas of life, such as nutrition, life, fertilizers and medicine. Topics include matter, periodic table, nomenclature, reaction types, water, air, and nuclear chemistry. Lab fee required.

**CHM 111-112 - General  
Chemistry - 4-4 hrs. (3-3L)**

Introduces the fundamental theories and principles of chemistry. Transfers as mainstream (general) chemistry for all majors. No previous chemistry course work is required. Prerequisite: MTH 111. high school Algebra II or higher. Lab fee required.

**CHM 115 - Allied Health  
Chemistry - 4 hrs. (3-3L)**

Integrates general chemistry, organic chemistry, and bio-chemistry with biological and health applications. Selected topics focus on chemical understanding and explanation of life-important processes that occur in living organisms. Lab fee required.

**CHM 213-214 - Organic  
Chemistry - Cr. 4-4hrs. (3-3L)**

Studies nomenclature, uses, basic reactions, and preparation methods of the most important classes of aliphatic and aromatic compounds. Laboratory develops techniques, preparative and analytical methods in organic chemistry. Prerequisite: C or better in CHM 112.

**CHM 199 - Special Problems in  
Chemistry - 1-3 hrs.**

Prerequisite: permission of instructor.

**Geology**

**ESC 111 - Physical Geology - Cr 4  
hrs. (3-2L)**

Surveys the geological processes in the light of the concept of plate tectonics. Laboratory work includes the identification of rocks and minerals and the use of geologic maps to study physical processes. Lab fee required.

**ESC 112 - Historical Geology -  
Cr. 4 hrs. (3-2L)**

Constructs the history of an evolving earth, with special reference to North America. Laboratory exercises in correlation by use of fossils and physical evidence. Lab fee required.

**ESC 199 - Special Problems in  
Geology - Cr. 1-3 hrs.**

Prerequisite: permission of instructor.

**Mathematics**

**MTH 111 - Intermediate Algebra -  
3 hrs.\***

Studies topics in exponents, radicals, factoring, linear, and quadratic equations and inequalities, polynomials, systems of linear equations and problem solving.

\*This course may be used to meet residency and eligibility. However, it can not be used to fulfill the math requirement.

**MTH 125 - Introduction to  
Contemporary Mathematics -  
Cr. 3 hrs.**

Includes topics with modern applications such as networks and circuits, scheduling, probability and statistics, voting methods and apportionment, game theory, patterns and tilings, fractals, growth, and consumer mathematics.

**MTH 136 - College Algebra -  
Cr. 3 hrs.**

Presents the typical course in college algebra. Topics include functions, graphs, polynomials, rational, exponential, and logarithmic functions, conic sections, linear systems, and inequalities. Includes use of graphing calculators as a math tool. Prerequisite: MTH 111 or equivalent experience.

**MTH 137 - Mathematics for  
Business and Social Science -  
Cr. 3 hrs.**

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. Prerequisite: MTH 111 or equivalent.

**MTH 138 - Calculus for Business  
and Social Science - Cr. 3 hrs.**

Introduces differential and integral calculus with application to business, economics, the behavioral and life sciences. Prerequisite: MTH 136 or MTH 137 or equivalent.

**MTH 186 - Trigonometry -  
Cr. 3 hrs.**

Covers trigonometric functions, trigonometric identities and equations, radian measures, inverse trigonometric functions, complex numbers, vectors, and applications. Students may enroll concurrently in College Algebra (MTH 136).



**MTH 190 - PreCalculus -  
Cr. 4 hrs.**

Studies functions necessary for students planning to take calculus. Topics include polynomial functions, exponential functions, logarithmic functions, trigonometric functions, inverse functions, with emphasis on concepts on graphical and algebraic properties of these functions. Also included are systems of equations and an introduction to sequences and series. Graphing calculators are used extensively. Prerequisite: College Algebra or an advanced math course beyond Algebra II in high school, concurrent enrollment or completion of Trigonometry.

**MTH 195 - Calculus I - Cr. 4 hrs.**

Presents materials 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. Topics covered include a review of basic algebraic functions, exponential functions, logarithmic functions, trigonometric functions, and function inverses, then limits, the derivative, analysis using the derivative and applications of the derivative. Prerequisite: a minimum grade of "C" in MTH 136 - 186 or in MTH 190 or equivalent experience.

**MTH 196 - Calculus II - Cr. 4 hrs.**

Presents materials in second component of the three-semester sequence that covers the anti-derivative, definite integral, applications of the definite integral, methods of integration, elementary differential equations, Taylor-polynomials, infinite series, power series, indeterminate forms. Prerequisite: a minimum grade of "C" in MTH 195.

**MTH 199 - Special Problems in  
Mathematics - Cr. 1-3 hrs.**

Involves courses in such areas as programmable calculators, advanced computer programming, and advanced mathematics. Prerequisite: permission of instructor.

**MTH 241 - Introduction to  
Statistics - Cr. 3 hrs.**

Introduces beginning topics in statistics, including random samples, organizing data, measures of central tendency and dispersion, probability theory, binomial and normal distributions, estimation, hypotheses testing, regression and correlation. Prerequisite: MTH 136 or MTH 111 with a grade of "B" or better.

**MTH 295 - Multi-variable  
Calculus - Cr. 4 hrs.**

Covers geometry in the plane and in space, conic sections, polar coordinates, parametric equations, vectors, functions, partial

differentiation, multiple integration with applications, vector calculus. Prerequisite: a minimum grade of "C" in MTH 196.

**MEN 145 - Engineering Graphics - Cr. 3 hrs.**

Introduces engineering graphical methods and disciplines with emphasis on basic principles and applications. Topics include technical drawing and design, orthographic projection, free hand sketching, and descriptive geometry. The student is required to learn AUTOCAD. Lab fee required. Does not meet math graduation requirements.

**CIS 181 - Programming in C++ - Cr. 3 hrs.**

Introduces structured programming and software engineering in C. The course emphasizes the systematic development of algorithms and programs, programming style, techniques for testing, debugging, and documenting. File structures, software design principles and practices are discussed. Prerequisite: MTH 136. Lab fee required.

**CIS 199 - Special Problems - Cr. 1-3 hrs.**

Prerequisite: permission of instructor.

**Division of Social Science and Business Administration**

**DIVISION CHAIR**

**Lester A. Smith, Colonel, NMMI** (1980) M.B.A., New Mexico State University

**PROFESSORS**

**W. Theodore Hitchcock, Lieutenant Colonel, USAF (Ret)** (1993) History, Department Chair, Ph.D., University of Mississippi

**Stanley S. Phipps, Colonel, NMMI** (1983) Social Sciences, Ph.D., University of Idaho

**ASSOCIATE PROFESSOR**

**Teresa L. Garvey, Lieutenant Colonel, NMMI** (1989) Business Administration, Department Chair, M.B.A., Eastern New Mexico University

**Lynn W. Neill, Lieutenant Colonel, NMMI** (1983), History and Social Science, Ed.S., University of New Mexico

**Larry C. Skogen, Lieutenant Colonel, USAF (Ret)** (2001), History, Ph.D., Arizona State University

## ASSISTANT PROFESSORS

**Gilbert Alvarado, Lieutenant Colonel, USA Ret. (1998)** Criminal Justice, Department Chair Criminal Justice, M.S. Eastern New Mexico University

**Richard Kitchen, Major, NMMI (2003)** History and Social Science, Ph.D., Arizona State University

**John K. Umberger, Major, USA Ret. (2000)** Social Science, M.P.A., Golden Gate University, M.A., Naval Post Graduate School

**Terry D. Waggoner, Major, NMMI (1984)** (2001) Social Science, Ed. M. Boston University

## INSTRUCTORS

**Susan Glen, Captain, NMMI (1988)** (2001) Computer Concepts, B.A. New Mexico Highlands University



**HIS 101-102 - Development of Western Civilization - Cr. 3-3 hrs. (Satisfies Either Humanities OR History Requirements, But Can Not Be Used For Both.)**

Studies the social, economic, political, philosophical, and aesthetic development of humans from antiquity to the end of the Medieval period. Second semester studies human history from 1500

AD to modern times. This course sequence 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

**HIS 105 - Early World History - Cr. 3 hrs. (Satisfies Either Humanities OR History Requirement, But Can Not Be Used For Both.)**

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

**HIS 106 - Modern World History - Cr. 3 hrs. (Satisfies Either Humanities OR History Requirement, But Can Not Be Used For Both.)**

Surveys major civilizations of the world 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.

**HIS 110 - American Military History - Cr. 3 hrs. (Satisfies Humanities Requirement)**

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.

**HIS 170 - Asian Civilizations to 1600 - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Introduces the study of Asian civilizations including India, China, and Japan. Emphasizes the development of civilizations in Asia before the arrival of Europeans and the Age of Imperialism. Special emphasis is placed on general traits and historical events that underlie the values of Asian people.

**HIS 171 - Modern Asian Civilization - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Traces the impact of the European arrival in Asia and the Age of Imperialism. Emphasizes the interaction of China, India, and Japan with Europeans as well as the growth of the modern nation states after independence from colonial rule. Korea, Vietnam, Indonesia, Malaya, Singapore, Burma, Thailand, and Pakistan are also considered.

**HIS 211-212 - History of the United States - Cr. 3-3 hrs. (Satisfies Either Humanities OR History Requirements, But Can Not Be Used For Both.)**

History 211 surveys the political, economic, social, and cultural development of the United States from colonial beginnings through 1877. History 212 studies the history of the United States from the end of Reconstruction to the present. Particular attention is also given various political, social, and economic movements, as well as the place of the U.S. in world affairs. Can satisfy the 6-hour history graduation requirement.

**HIS 280 - Latin America: A Historical Survey - Cr. 3 hrs. (Satisfies Humanities Requirement)**

Examines the political, economic, social, and cultural development of Latin America from its Indian origins to the present. Special attention is given to the twentieth century interaction of the region with the United States and the rest of the world.

**Political Science**

**POL 111 - United States Politics and Government - Cr. 3 hrs. (Satisfies Social Science Requirement)**

Analyzes the national constitution, federalism, political process,

presidency, congress, judiciary, civil rights and liberties, economic policy and formation of foreign policy.

**POL 201 - International Relations - Cr. 3 hrs. (Satisfies Social Science Requirement)**

Introduces the student to world politics and international conflict with consideration of trade and economic transactions as well as treaties, alliances, and international organizations.

**POL 214 - Comparative World Politics - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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.

**POL 220 - State and Local Politics and Government - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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.

## Psychology

**PSY 101 - General Psychology - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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.

**PSY 211 - The Psychology of Adjustment - Cr. 3 hrs. (Satisfies Social Science Requirement)**

Explores concepts of mental health and illness, adjustment problems and processes. Pre-requisite: PSY101.

**PSY 222 - Developmental Psychology - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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.

Prerequisite: PSY 101 or permission of instructor.

**PSY 299 - Special Problems in Psychology - Cr. 3 hrs.**

Prerequisite: permission of instructor.

**Sociology**

**SOC 101 - Introduction to Sociology - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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.

**SOC 201 - Contemporary Social Problems - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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 studied from the various sociological models or social problems. Prerequisite: SOC 101 or permission of instructor.

**SOC 210 - Contemporary Marriage and Family - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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. Prerequisite: SOC 101 or permission of instructor.

**SOC 299 - Special Studies in Sociology - Cr. 1-3 hrs.**

Prerequisite: permission of instructor.

**Geography**

**GEO 122 - Economic Geography - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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; cultural-economic relationships are stressed. Recommended for Business majors. No prerequisite.

**GEO 150 - Humans and the Environment - Cr. 3 hrs. (Satisfies Social Science Requirement)**

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. No prerequisite.

**GEO 250 - Geography of South America - Cr. 3 hrs. (Satisfies Social Science Requirement)**

Surveys the principal geographic regions of South America. The physical and cultural landscapes are emphasized along with contemporary social, political, and economic issues. Prerequisite: GEO 122, 150 or permission of instructor.

**Anthropology**

**ANT 150 - Introduction to Cultural Anthropology - Cr. 3 hrs. (Satisfies Social Science Requirement)**

Explores the basic principles of cultural anthropology from the origin through the evolution of culture, with special emphasis on the nature of kinship, religious, economic, and political systems.

**Business Administration**

**BUS 111 - Introduction to Business - Cr. 3 hrs.**

Surveys the entire field of business, intended for first-year college students. Concepts of business organization, structure, and decision-making processes. Explores areas of specialization and career opportunities in the business world.

**BUS 201 - Principles of Management - Cr. 3 hrs.**

Presents managerial functions as they apply to business. Planning, organizing, staffing, directing, and controlling the functions of management are examined in depth.

**BUS 202 - Business Law - Cr. 3 hrs.**

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.

**BUS 204 - Business Writing - Cr. 3 hrs.**

Explores the theory and practice of business writing emphasizing style, structure, and format in letters, memoranda, resumes, and reports. Students successfully completing this course may not enroll in ENG 218. Prerequisite: ENG 111. This

course can satisfy three of the six semester hour core English requirements.

**BUS 213 - Principles of Accounting I - Cr. 3 hrs.**

Introduces fundamental accounting principles and procedures. Examines present accounting theory and practices with applications to the sole proprietorship.

**BUS 214 - Principles of Accounting II - Cr. 3 hrs.**

Continues BUS213. Application of theory and practice to partnership and corporations, manufacturing operations, cost determination, financial statement analysis and Federal tax considerations. Prerequisite: BUS 213.

**CIS 101 - Computer Concepts I - Cr. 3 hrs.**

Introduces the keyboard and principle components of the word processing application on the microcomputer. Emphasis is on typing using the touch typing method through typing letters, classroom assignments and term papers. It is a self-paced course. Lab fee required.

**CIS 117 - Computer Concepts II - Cr. 3 hrs.**

Studies the impact of computers on society, including the development of information processing and program development.

Microcomputers are used for the teaching of various productivity applications such as word processing, database management, spreadsheets, desktop publishing and the Internet. Lab fee required.

**CIS 217 - Introduction to Programming, Web Design and Multimedia - Cr. 3 hrs.**

Introduces basic programming concepts and applications. Introduces the role of the microcomputer in a business setting. Applications will be used to enhance the development, promotion and marketing of business activities and information exchange. Prerequisite: CIS117 or instructor approval.

**ECN 211 - Principles and Problems of Macroeconomics - Cr. 3 hrs. (Satisfies Social Science Requirement)**

Describes the economic system governing the productive apparatus; while identifying underlying social and economic goals, measuring and determining national income, employment, and inflation; and introducing fiscal and monetary policy analysis. No prerequisite.

**ECN 212 - Principles and Problems of Microeconomics - Cr. 3 hrs. (Satisfies Social Science Requirement)**

Introduces microeconomic theory. Emphasizes consumer behavior, production decisions, theories of value, price determination, and



demand and supply relationships in the marketplace. No prerequisite.

## Criminal Justice

### **CJU 101 - Introduction to Criminal Justice - Cr. 3 hrs.** (Satisfies Social Science Requirement)

Reviews and examines the history and contemporary issues in all aspects of the criminal justice system. Areas examined include crime causation, constitutional law, administration of justice, policing and police issues, court procedures and certain elements involving corrections. NOTE: CJU 101 or instructor's permission is prerequisite for all higher level CJU courses. Not open to high school students.

### **CJU 102 - Criminal Investigation - Cr. 3 hrs.**

Introduces the student to the principles of scientific crime detection, identification and management of evidence, interviewing, report writing and crime scene management. Begins with an historical overview of criminal investigation and examines specific methods of investigation for most felonious offenses. Prerequisite: CJU 101 or instructor's permission. Note: not open to high school students. (Does not satisfy social science requirement.)

### **CJU 201 - Corrections - Cr. 3 hrs.**

Introduces the student to an overview of the correctional system. Begins with an historical review and includes an analysis of contemporary correctional systems. Includes sentencing, probation and parole, incarceration, prison issues, and community corrections. Prerequisite: CJU 101 or instructor's permission. Note: not open to high school students. (Does not satisfy social science requirement.)

### **CJU 202 - American Policing - Cr. 3 hrs.**

A review and analysis of contemporary methods of policing and current issues and problems associated with law enforcement at all levels of government. Subjects will include: community policing, police ethics, police supervision, specialized policing, and job testing and interviewing. Prerequisite: CJU 101 or instructor's permission. Note: Not open to high school students. (Does not satisfy social science requirement.)

**Library Division**

**DIVISION CHAIR**

**Jerome J. Klopfer, Colonel, NMMI** (1984) Director, Learning Resource Center M.L.S., University of Michigan

**LIB 101 - Bibliographic Instruction**  
- Cr 1.0 hr.

Course develops skills in the use of all types of library research resources. Course is of particular interest to students who do not have a strong background in locating and using all types of information resources.

**Department of Academic  
Advising and College Placement**

**DIVISION CHAIR**

**Suzanne M. Staffki-Steil, Colonel, NMMI** (1979-90) (1991) M.Ed., Eastern New Mexico University

**INSTRUCTORS/ADVISORS**

**Nancy M. Burrola, Colonel, NMMI** (1987) M.A., University of New Mexico

**Marla Higginbotham, Lieutenant Colonel, NMMI** (1992) M.S., Mankato State University

**Rhonda Johnson, Captain, NMMI** (1989-2000) (2001) B.US. Eastern New Mexico University

**William A. Shuyter, Lieutenant Colonel, USA Ret** (2001) M.A., Webster University

**CADET COUNSELORS**

**Davis Featherstone, Major, NMMI** (1986-1991) (1993-1995) (1999) Licensed Counselor B.S. Institute for Reality Therapy

**Daniel L. Musgrave, Chaplain, Major, USA Ret** (1999) Counselor, M.Div., United Theological Seminary, M.A. Butler University

**ACT 012/501 and SAT 012/500  
KAPLAN ACT/SAT Review - Cr. 0  
hr.**

Prepares students by way of the Kaplan Program for the Scholastic Aptitude Test (SAT) or the American College Test (ACT). Program is designed to gain through practice experience with the testing approaches. Covers verbal areas of synonyms, antonyms, analogies, vocabulary, syntax, and grammar as well as reading in social sciences and natural science. Includes a complete series of problems in mathematics, including algebra and geometry. Grade: S or U for transcript, not included in GPA. Extra fee.

**Division of Health,  
Physical Education and  
Recreation**

**DIVISION CHAIR**

**Richard C. Stecklein, Colonel,**  
NMMI (1973) M.A., Fort Hays  
State University

**INSTRUCTORS**

**Jose Barron, Captain, NMMI**  
(2001), Trainer, B.S. New Mexico  
State University

**J. Dwight Burns, Major, NMMI**  
(1978) (1984) Football, Track B.S.  
Angelo State University

**Reginald W. Franklin, Major,**  
NMMI (1991) College Basketball,  
B.S., Southern Methodist University

**Kevin Jones, Major, NMMI (1992)**  
Department Chair, Basketball,  
Soccer, B.S. Eastern New Mexico  
University

**Jeff Lynn, Captain, NMMI (2001)**  
Football, Basketball, M.A. Eastern  
New Mexico University

**John O'Mera, Captain, NMMI**  
(1993) College Football, B.A.,  
Western New Mexico University

**Jan Olesinski, Captain, NMMI**  
(1988) Cross Country, Swimming,  
Girls track, M.A. Academy of P.E.  
Poland

**Anthony Redding, Captain, NMMI**  
(2001) College Football, M.A.  
Eastern New Mexico University

**Charlie Savedra, Major, NMMI**  
(1981-1986) (1996) High School  
Athletic Director, M.A. Newman  
University

**Charity Savedra, Captain, NMMI**  
(2001) College Volleyball, B.A.  
Southern Methodist University

**Sean Schooley, Major, NMMI**  
(1987) College Basketball, B.A.  
McMurry University

**Chip Schuler, Captain, NMMI**  
(2001), College Football, BGS  
Pittsburg State University

**Delbert E. Wiginton, Major,**  
NMMI (1982), College Golf,  
M.B.A., Eastern New Mexico  
University

**Martin Zeller, Major, NMMI**  
(1999) College Baseball, B.S. Baylor  
University

**Physical Education Activity  
Courses - Cr. 1 hr. each**

Stresses individual sports with  
carry-over value for a lifetime.

104	Racquet Sports
105	Golf
106	Tennis
107	Swimming
108	Free Weights
109	Free Weights
112	Nautilus Training

- 121 Bowling
- 197 Fencing
- 208 Advanced Free Weights
- 209 Advanced Free Weights II
- 211 Advanced Golf
- 212 Advanced Swim/Life Guard  
- Fall
- 213 Advanced Tennis
- 2xx Advanced Nautilus

**Professional Preparation of  
Physical Education and  
Recreational Offerings**

Designed for the prospective Physical Education/ Recreation major or minor.

**PHE 229 - Fundamentals of Athletic Training - Cr. 3 hrs.**

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, physiotherapy, bandaging, and massage. This course is an entry level class for Athletic Training Education.

**PHE 232 - Introduction to Recreation. - Cr. 3 hrs.**

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.

**PHE 234 - Water Safety Instruction - Cr. 3 hrs.**

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. The course credit includes one hour activity PE, plus two hours academic credit. All students must satisfactorily pass prerequisite water test. Satisfies one hour for PE activity.

**PHE 264 - Foundations in Physical Education & Sport - Cr. 3 hrs.**

Provides a broad overview of the value of physical education. Topics discussed are career opportunities, methods and evaluations of the physical education program, including history, aims and objectives.

**Military Science**

**DIVISION CHAIR**

**Jeffery Cunningham, Lieutenant Colonel, USA (2004) Northern Arizona University**

## INSTRUCTORS

**Robert A. Gardner, Jr., Major, USA**  
(2001) M.A. University of Phoenix

**Duane C. McAllister, Sergeant First Class, USA (2001)**

**Kenneth I. Lee, Master Sergeant, USA (2002)**

**Gary J. Thrine, Sergeant First Class, USA (2000)**

### ROTC Program

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 (MSD) 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.

In addition to Military Science (MS) courses, requirements for the Army commission include completion of an undergraduate course in military history. This has to be taken prior to accessing on

active duty at the completion of the four-year degree. Military Junior Colleges (MJC) are not required to finish this prior to commissioning. The Professor of Military Science (PMS) would prefer that ROTC contract cadets finish military history at NMMI if possible. Should scheduling conflicts arise or academic workload be such that taking one of these will head a cadet toward academic failure, then certainly using the exception allowed for MJCs is in order.

### Advanced Course Army ROTC

**General:** This 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:

**Leader's Training Course (LTC):** LTC is a four-week 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. Attendance at LTC allows for entrance into the ROTC Advanced Course.

In accordance with Army regulations and with the specific approval of the PMS, it is possible to waive the Basic Camp 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.

**National Leadership Assessment Course (Warrior Forge):** Warrior Forge is a five-week course operated by the U.S. Army at Fort Lewis, Washington. Attendance is scheduled for advanced course cadets during the summer between the student's freshman and sophomore years. Students 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 students 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 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 pushups/situps and a two-mile run. To contract into the SROTC program, a cadet must score a minimum of 60 points 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 student a commission in the Army Reserve, provided he or she satisfactorily completes the prescribed course of ROTC instruction. In turn, the student agrees to serve on active duty as a commissioned officer for four years plus four years with the Army Reserve. The student may also request the option of only three to six months of active duty and the remainder of the eight years with a reserve component.

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

**Stipend:** \$350 per month while enrolled in college during the cadet's freshman and \$400 in the sophomore years at NMMI (nine-month school year). Ten months/year \$3150/3600 total.

**Uniform Commutation:**

Approximately \$1800 males/ \$2100 females.

**LTC:** Transportation is provided or travel expenses are reimbursed; food, clothing, and housing are provided, and the student is paid approximately \$700 for the four-week course.

**Warrior Forge:** Transportation is provided or travel expenses are reimbursed; food, clothing, and housing are provided, and the student is paid at the same rate (Approximately \$750) as a cadet at the U.S. Military Academy for the five-week period of camp.

**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 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 Advanced Camp.

**Commissioning options:** Upon completion of MSIII and MSIV 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 and approximately \$5000 per year). They may apply for active duty when they receive their baccalaureate degree.

**Baccalaureate Degree:** Upon receipt of the baccalaureate degree, a reserve officer from the MJC program may select 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 Student (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 students not qualified for participation in the advanced course program (MSIII, MSIV) will be enrolled in the non-contract ROTC Basic Course (MSI, MSII). This program prepares students for advanced ROTC participation in their final two years of college. They take MSI and MSII at NMMI and MSIII and MSIV at a college of their choice. These cadets participate at NMMI in classroom instruction and may participate in practical field training exercises. Students who have completed the basic course (Basic Camp, Basic Training) and want to continue with ROTC, but not contract, must enroll in MSIII as a non-participating cadet. These cadets attend classroom instruction only. Participants in the USMC platoon leaders course also take the basic course program at NMMI. There is no military obligation incurred by taking the basic course.

### Service Academies

The above programs may be taken by Service Academy aspirants while at the same time continuing Service Academy applications. The Army may release contract students from the ROTC program to enter any Service Academy. Senior ROTC cadets (college) are also eligible for nomination to the U.S. Military Academy without regard to quotas.

### 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, extra-circular and athletic activities and a telephonic interview conducted by the ROTC recruiting officer. The applicant must complete LTC 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. Scholarship winners must enroll in MS III and sign a contract (see obligations) if they desire to use their two-year ROTC scholarship

**MSL 101-102 - Military Science I - Cr. 1-1 hr.**

Introduces the organization and mission of the U.S. Army, first aid, map reading, communication, Small Unit tactics, customs and courtesies of the service.

**MSL 151-152 - Military Science II - Cr. 2-2 hrs.**

Builds on the basics introduced in the MIL 111-112. Provides instruction in leadership, small unit



tactics, history of the U.S. Army, military briefings, and mission orders.

**MSL 201-202 - Military Science III - Cr. 3-3 hrs.**

Explores leadership most specifically as it pertains to methods of instruction, map reading, small unit tactics, and communications. Develops briefings and mission orders with practical application of concepts in the field. Promotes physical fitness training through regular physical training labs.

**MSL 251 - Military Science IV - Cr. 3 hrs.**

Surveys various dimensions of leadership to include; ethics and professional law, command and staff functions, joint operations, professional knowledge, drill, and ceremonies. Promotes physical fitness training through regular physical training labs.

**MSL 252 - Military Science IV - Cr. 3 hrs.**

Develops written and oral communication, military justice and international law, command and staff functions, joint operations, professional knowledge, drill, and ceremonies. Promotes physical fitness training through regular physical training labs.

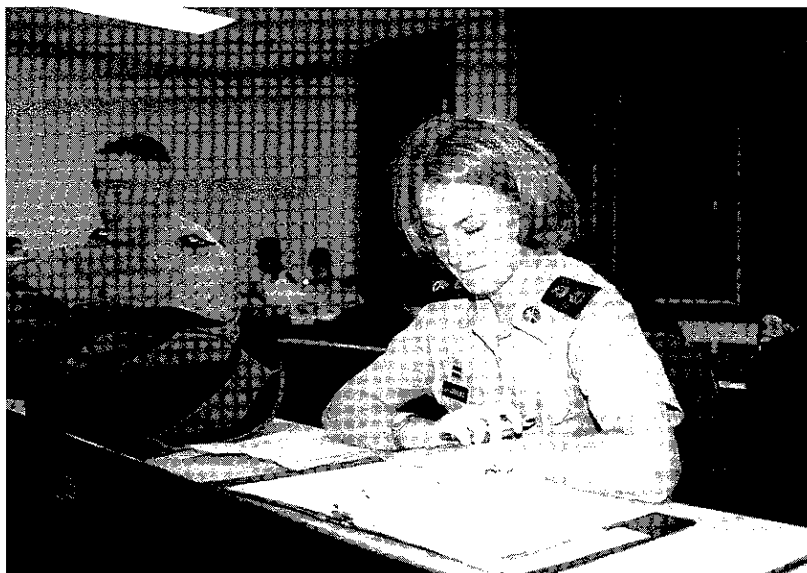
**HIS 110 - American Military History - Cr. 3 hrs. (Satisfies Humanities Requirement)**

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 MS I/II courses.



Cadet exercise with helicopters

# High School Program



## ADMISSION

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

**Third Class (senior)** - Must have a 2.25 cumulative grade point average for high school work, meet minimums on NMMI math/writing tests and be interviewed.

**Fourth Class (junior)** - Must have a 2.25 cumulative grade point average for high school work, meet minimums on NMMI math/writing tests and be interviewed.

**Fifth Class (sophomore)** - Must have a 2.50 cumulative grade point average for ninth grade work, meet minimums on NMMI math/writing tests and be interviewed.

**Sixth Class (freshman)** - Must have a 2.50 cumulative grade point average for seventh grade and eighth grade work, meet minimums on NMMI math/writing tests and be interviewed.

Foreign students 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.

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.

## TRANSFER OF HIGH SCHOOL CREDITS

High school cadets may transfer credits at the time of admission from other 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 "P" 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 .

Those entering 9th grade who meet requirements for ninth grade in the seventh or eighth grade will be awarded credit for those courses and a grade of "P" will be recorded on the NMMI record for those courses.

Home-school students transferring to the Institute from a program accredited by a national/regional recognized accrediting agency will have credits accepted as transfer credit (letter grade). Lab science credits will be validated to ensure those courses were taken in a true lab format. Students will take the admissions tests to assist in determining appropriate placement.

Home school students from a non-accredited program will have all coursework validated by the appropriate department for credit and courses not validated will not be given credit.

### CREDIT BY ADVANCED PLACEMENT COURSES

NMMI grants credit via Advanced Placement as specified in the following table. Several NMMI college courses which meet guidelines have been designated as NMMI high school Advanced Placement classes. The high school student, if physically enrolled in a college course for co-enrolled high school credit is enrolled in the following:

AP EXAM	NMMI COURSE	HS COURSE
ART HISTORY	ART131/ ART132	ART 081/ART082
BIOLOGY	BIO101/BIO102	BIO081/BIO082
CALCULUS AB	MTH195	MTH081
CALCULUS BC	MTH196	MTH082
COMPUTER SCIENCE A		
COMPUTER SCIENCE AB		
CHEMISTRY	CHM111/CHM112	CHM081/CHM082
ECONOMICS MACRO	ECN211	ECN081
ECONOMICS MICRO	ECN212	ECN082
ENG LANG/LIT COMP		
ENVIRONMENTAL SCIENCE		
EUROPEAN HISTORY	HIS101/HIS102	HIS081/HIS082
FRENCH LANGUAGE		
FRENCH LITERATURE		
GERMAN LANGUAGE	GER211/GER212	GER081/GER082 WHEN WITH LAB OR GER 041,042 WITHOUT LAB
GOVERNMENT & POLITICS, US	POL111	GVT081
GOVERNMENT & POLITICS, COMPARITIVE	POL214	GVT082
HUMAN GEOGRAPHY		
INTERNATIONAL ENGLISH LANGUAGE		
LATIN LITERATURE		

LATIN: VERGIL		
MUSIC THEORY	MUS140	MUS082
PHYSICS B	PHY111/PHY112	PHY081/PHY082
PHYSICS C - ELECTRICAL		
PHYSICS C - MECH	PHY213/PHY214	PHY083/PHY084
PSYCHOLOGY	PSY101	PSY081
SPANISH LANGUAGE	SPN211/212	SPN081/082 WHEN WITH LAB OR SPN 041,042 WITHOUT LAB
SPANISH LITERATURE		
STATISTICS	MTH241	MTH083
STUDIO ART	ART105	ART085
STUDIO ART: 2D DESIGN	ART101	ART083/ART084
STUDIO ART: 3D DESIGN	ART101/ ART110	
US HISTORY	HIS211/HIS212	HIS083/HIS084
WORLD HISTORY	HIS105/HIS106	HIS085/HIS086

## GRADUATION REQUIREMENTS

The NMMI high school curriculum is college preparatory in nature. Twenty-three units of credit 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. Additionally, the American College Test (ACT) is a requirement for the high school diploma. A student 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 Academic Dean. A student 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 high school Principal.

### Communication Skills/Modern Language - Cr. 2 1/2 units

Successfully completing a semester course generates 1/2 unit. Two and one-half units to include 2 units in one foreign language and 1/2 unit 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 1/2 unit requirement but do not substitute for the English requirements.

**English 1, 2, 3, and 4 - Cr. 4 units**

Successfully completing a semester course generates 1/2 unit. Four units are required to include English 4A and 4B. Mass communication or similar English courses do not meet the English requirements.

**Mathematics - Cr. 3 units**

Successfully completing a semester course generates 1/2 unit. Three units are required; these are MTH 021-022 Algebra I; MTH 033-034 Algebra II; and any two semesters of the following: MTH 037-038 Geometry; one of MTH 042 Trigonometry or MTH 048 Precalculus; or MTH 043-044 Geometry/Trigonometry/Algebra III. Prospective NMMI graduates must successfully pass one year of NMMI mathematics at the Algebra 2 level or above. The one year requirement may be satisfied through a challenge exam.

**Science - Cr. 2 units**

Successfully completing a semester course generates 1/2 unit. Two full units of a laboratory science are required. These units may be biology, chemistry, physics, or earth science. Each of these units must comprise a full year of the science elected. General science or physical science do not meet NMMI's science requirement.

**Social Science - Cr. 3 units**

Successfully completing a semester course generates 1/2 unit. Three units are required. These include one unit of world history/geography; one unit of U.S. history; 1/2 unit of economics; and 1/2 unit of government. The semester course in government will meet the government requirement; this course is normally taken during the junior or senior year in high school.

**Leadership Education - Cr. 1/4 unit/semester**

Each LET course generates 1/4 unit. One-half unit is required to meet the overall 23-unit graduation requirement; however, enrollment in LET courses taught in the JROTC program is required in each semester of attendance at NMMI.

**Physical Education - Cr. 1/4 unit/semester**

Completing one semester PHE activity generates 1/4 unit of credit. One-half unit is required for graduation; however, a cadet must enroll in a physical education activity each semester of attendance. One semester of Health Education is required.

**Computer Literacy - Cr. 1/2 unit**

One-half unit is required. The course, Computer Concepts II (CC I does not meet this requirement), is recommended. Other computer science courses may be substituted for Computer Concepts with the approval of the high school Principal.

**Fine/Practical Arts - Cr. 1/2 unit**

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

**Electives - (As needed)**

In addition to the requirements listed above, elective courses may be taken to complete the 23-unit graduation requirement. Successful completion of one semester of band, PHE, LET, or chorus at New Mexico Military Institute generates 1/4 unit.

## HIGH SCHOOL RESIDENCE/COURSE COMPLETION REQUIREMENTS

A Third Class new cadet must earn a minimum of four units credit 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 must approve post-NMMI courses to meet graduation requirements.

## HIGH SCHOOL CORRESPONDENCE/SUMMER SCHOOL STANDARDS

Correspondence/online courses must meet the following criteria:

- Cadet must take the course at NMMI if offered
- If the cadet cannot schedule the required class in the last semester of the graduation year, the cadet can request a correspondence or online course
- A cadet may take a correspondence/online course if the course is not offered in the curriculum, and must request permission prior to enrolling in the course
- Online courses must have a mandatory valid login.
- The number of transfer courses from summer school and correspondence cannot exceed two (2) units earned while enrolled at NMMI.
- Correspondence 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 from a non-accredited source will not be recognized as a source for credit.

The length of time it will take an entering student 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. However, a cadet in the Third Class may, with the Dean's approval, take a maximum of eleven semester hours credit at the college level.

Thus, a cadet may satisfy the requirement for the high school diploma while enrolled in college subjects.

Failure to earn a grade point average (GPA) of at least 2.00 for courses taken at NMMI may be considered by the Admissions Board as grounds for refusal to admit a cadet to the Second Class (college freshman).

### NORMAL CLASS LOAD

The academic load for a high school cadet is five academic solids plus leadership training and physical education. The minimum high school academic load is four academic solids plus leadership training and physical education. Cadets requesting a minimum load must have approval of the Associate Dean and written permission from their parents. Cadets carrying less than a full class load are not eligible for Superintendent's list or Deans' List.

### OVERLOADS

Cadets with a 3.0 GPA or above from the previous grading period may take more than five solids upon the recommendation of their academic advisor. The Associate Dean and 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 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.

### SCHOLASTIC TESTS - ACT, TOEFL, PLAN/PSAT/SAT

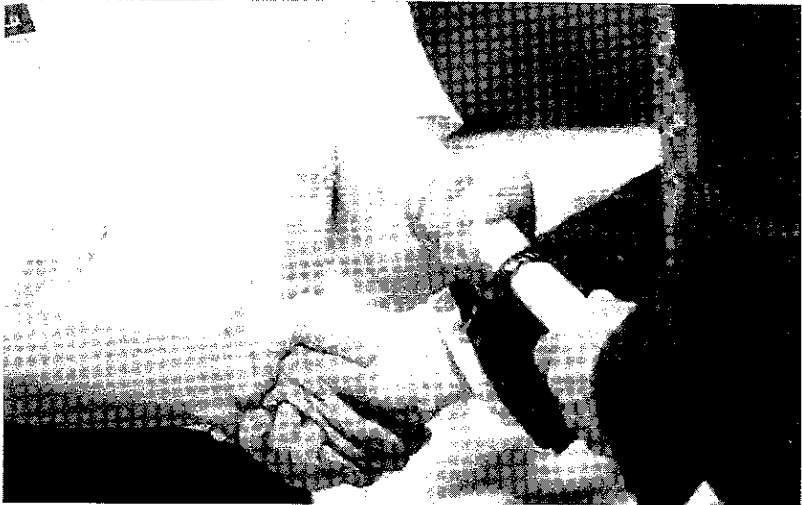
All high school cadets are required to take the American College Testing examination (ACT) as a graduation requirement. A student who is not a citizen of the United States and whose primary language is not English may



elect to substitute the Test of English as a Foreign Language (TOEFL) for the ACT with the approval of the high school Principal. These tests are administered by the Student Assistance Center on national test dates. The ACT should be taken in the second semester of the junior year and/or the first semester of the senior year. Colleges require not only a transcript of one's academic record, but also ACT or SAT scores. The Student Assistance Center also administers other academic and placement tests such as the PLAN Test required in the sophomore year; the PSAT (Preliminary Scholastic Aptitude Test) required in the fall of the junior year; the SAT, and reading and math placement tests for new cadets.

### COLLEGE COURSES TAKEN FOR HIGH SCHOOL CREDIT

High school cadets who successfully complete college courses for high school credit will receive college credit for these courses. This credit carries a grade, which affects the Grade Point Average on the college transcript. A high school student may take college courses for college credit only, college credit and AP high school credit, or co-enrolled credit. However, the college course will always create a separate college transcript at NMMI. An high school cadet should have at least a 3.00 GPA prior to enrolling.



## HIGH SCHOOL COURSES

The NMMI high school is accredited by the North Central Association Commission on Accreditation and School Improvement as a college preparatory high school. The following courses are the total courses offered, however, not all courses are offered each semester. With few exceptions, NMMI high school courses are college preparatory in nature. To better reflect the college preparatory nature of the high school classes, the following course definitions were adopted effective school year 1997-98:

**NMMI College Preparatory Courses (CP):** NMMI high school courses (primarily 1/2 credit courses) which meet the NMMI high school graduation requirements for their department and are approved as college preparatory by the Curriculum and Standards Committee and NMMI college courses which are taken for high school credit and are approved for CP designation by the Curriculum and Standards Committee

**NMMI Honors Courses (H):** NMMI high school courses (1/2 credit) which exceed the NMMI high school graduation requirements in their particular division and which have been so designated by Curriculum and Standards, and

NMMI college courses which are taken for high school credit and are approved for (H) designation by the Curriculum and Standards Committee

**Advanced Placement Courses (AP):** High school courses (co-enrolled college courses) which meet the nationally recognized Advanced Placement guidelines of the College Board and which have been so designated by Curriculum and Standards.

NMMI does not “weight” either Honors or Advanced Placement grades.

### Division of Humanities

#### DIVISION CHAIR

**Jean C. Maley, Colonel, NMMI** (1975) Modern Languages M.A., University of Arizona

#### PROFESSORS

**Darlene L. Logan, Colonel, NMMI** (1978) (1981) English. M.A., Texas Tech University

#### ASSOCIATE PROFESSOR

**Leanne V. Bratland, Lieutenant Colonel, NMMI** (1994) Spanish Language Department Chair M.A., Eastern New Mexico University

**John Camp, Lieutenant Colonel,**  
NMMI (1988) English M.A.,  
Southern Methodist University

**A. Steve Gallegos, Lieutenant  
Colonel, NMMI (1981) Modern  
Languages. M.S., New Mexico  
Highlands University**

**Garitt S. Griebel, Lieutenant  
Colonel, NMMI (1988) English  
M.A., University of Nebraska**

**M. Susan Griebel, Lieutenant  
Colonel, NMMI (1989) English  
M.Ed., Eastern New Mexico  
University**

**Carolyn Satterlee, Lieutenant  
Colonel, NMMI (1994), Director  
of Reading Programs, M.A., U.S.  
International University**

**Natalie Stewart-Smith, Lieutenant  
Colonel, NMMI (1997) English  
M.Ed., Edinboro University, M.A.,  
Washington State University**

**Lewis Toland, Lieutenant Colonel,**  
NMMI (1999) English English  
Department Chair Ph.D.,  
University of Kansas

#### **ASSISTANT PROFESSORS**

**Elizabeth Boese, Major, NMMI  
(1999) English. M.A., Middlebury  
College**

**Holly Huber, Major, NMMI,  
(1998) Art, Department Chair,  
M.A.Ed., Eastern New Mexico  
University**

**Sandra J. Kennedy-Licon, Major,  
NMMI (1995) Spanish, M.A.,  
University of New Mexico**

**Dirk Lehmann, Major, NMMI  
(1999) German, B.A., Rheinische  
Friedrich Wilhelms Universitaet  
Bonn, M.A., University of Missouri**

**Parish Palmer, Major, NMMI,  
(1998), English M.Ed., Northern  
Arizona University**

**Linda K. Scott, Major, NMMI  
(1999) English Ph.D., University of  
Maine**

**Steve Thorp, Major, NMMI,  
(1997) Music, Department Chair,  
M.M., Eastern New Mexico  
University**

#### **INSTRUCTORS**

**Oscar Hernandez, Captain, NMMI  
(2003) Spanish, B.A. University of  
Albuquerque**

**Kenneth G. Tuttle, First Sergeant,  
NMANG (Ret) (2003),  
Bandmaster, Music M.E., New  
Mexico Highlands University**

## English

**NOTE:** NMMI graduates must successfully pass NMMI English 4A and 4B

### **ENG 011 - English 1A (CP) - Cr. 1/2 unit**

Improves and develops the student's skills in reading, writing, listening, speaking and critical thinking through the study of the language and its structure, composition, and literature. Includes the study of vocabulary, spelling, grammar, and composition in addition to reading from the literature book and two outside readings. Emphasizes the expression of ideas through oral discussion and writing.

### **ENG 012 - English 1B (CP) - Cr. 1/2 unit**

Continues English 1A. Improves and develops the student skills in reading, writing, listening, speaking, and critical thinking through the study of the language and its structure, composition, and literature. Includes the study of vocabulary, spelling, grammar, and composition in addition to readings from the literature book and two outside sources. Emphasizes the expression of ideas through oral discussion and writing.

### **ENG 021 - English 2A (CP) - Cr. 1/2 unit**

Provides the first half of an integrated program with emphasis

on specific writing assignments and development of communication skills, vocabulary development, extensive writing practice.

### **ENG 022 - English 2B (CP) - Cr. 1/2 unit**

Continues English 2A with emphasis on thematic approach to literature, critical writing, continued writing practice.

### **ENG 025 - Myths and Folktales of the World (CP) - Cr. 1/2 unit**

A comparative study of myths and folktales from many cultures, with emphasis on critical thinking and on finding multicultural connections. Requirements include two narrative essays and one research project involving an oral presentation. Satisfies a Communication requirement. A high school elective.

### **ENG 031 - English 3A (CP) - Cr. 1/2 unit**

Provides the first half of an integrated program with specific emphasis on the development of the whole composition, library work, American literature, vocabulary development.

### **ENG 032 - English 3B (CP) - Cr. 1/2 unit**

Continues English 3A with emphasis on American literary heritage and critical analysis of literary works, continued writing practice.

**ENG 041 - English 4A (CP) -  
Cr. 1/2 unit**

Offers an integrated program with specific emphasis on English literature, language and logic, preparation for college entrance exams, refinement of writing skills through extensive writing practice, documented library paper, vocabulary development. NMMI graduates must successfully pass NMMI English 4A & 4B.

**ENG 042 - English 4B (CP) -  
Cr. 1/2 unit**

Continues English 4A with specific emphasis on English literature, a critical paper, and continued writing practice. NMMI graduates must successfully pass NMMI English 4A & 4B.

**COM 031 - Speech (CP) -  
Cr. 1/2 unit**

Concentrates on the basic principles of speech, practical speech activities and group discussion.

**COM 041 - Business  
Communication (CP) -  
Cr. 1/2 unit**

Emphasizes theory and practice of writing in technical fields. Emphasis on efficient writing processes and effective written products, including correspondence, resumes, and reports. Students successfully completing this course may not enroll in BUS 041.

**COM 048 - 049 - Practicum in  
Yearbook Production - Cr. 1/4 unit**

Produces through a workshop the school annual, the Bronco. Each may be repeated for a total of 1/2 unit. Prerequisite: permission of the instructor.

**COM 068-069 - Theater  
Production (CP) - Cr. 1/4 unit**

Provides exercises and workshops in theater skills, stagecraft and technical support or production. Each may be repeated for a total of 1/2 unit.

**RDG 053-054 - Reading/Study  
Skills - Cr. 1/4 - 1/4 unit**

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.

**Modern Languages**

For credit in high school foreign language courses offered at NMMI, cadets may substitute departmental challenge exams with scores of "B" or higher, or they may substitute Foreign Language Subject Matter CLEP Tests (Level 1 with a mean scale score of "B" or higher for foreign language years 1 and 2 - and Level 2 with a mean scale score of "B" or higher for foreign language years 3 and 4.) Those successfully

completing a departmental challenge or the appropriate CLEP test will be awarded a grade of "P." Such credit will not affect grade point averages nor will it satisfy minimum course load requirements. High school foreign students may transfer their secondary level native language courses and be awarded up to 2.0 units of high school foreign language credit.

**Language Laboratory:** Use of media equipment and software is integrated into each high school language course. A lab fee will be charged.

**GER 011-012 - German 1A and 1B (CP) - Cr. 1/2 - 1/2 unit**

Stresses the acquisition of basic skills, listening, speaking, reading, and writing, and introduces the culture of German speaking countries. The essentials of grammar are explained and practiced.

**GER 021-022 - German 2A and 2B (CP) - Cr. 1/2 - 1/2 unit**

Continues the study of grammar, basic skills and culture. Introduces the development of skill in composition and conversation.

**GER 031-032 - German 3A and 3B (H) - Cr. 1/2 - 1/2 unit**

Stresses intermediate reading and composition. Readings by authors in German serve as a basis for the study of culture and conversation.

**GER 041-042 - German 4A and 4B (H) - Cr. 1/2 - 1/2 unit**

Continues the study of advanced grammar. Offers reading and discussion of current events, geography, history, German literature, and culture which serve as the basis for discussion.

**SPN 011-012 - Spanish 1A and 1B (CP) - Cr. 1/2 - 1/2 unit**

Stresses the acquisition of basic skills, listening, speaking, reading, and writing and introduces culture of Spanish speaking countries. The essentials of grammar are explained and practiced.

**SPN 021-022 - Spanish 2A and 2B (CP) - Cr. 1/2 - 1/2 unit**

Continues the study of grammar, basic skills, and culture. Introduces the development of skill in composition and conversation.

**SPN 031-032 - Spanish 3A and 3B (H) - Cr. 1/2 - 1/2 unit**

Stresses advanced grammar, reading and composition. Short stories by Spanish and Spanish-American authors serve as a basis for the study of culture and conversation.

**SPN 033-034 - Spanish 3A and 3B Spanish for Spanish Speakers (H) - Cr. 1/2 - 1/2 unit**

Emphasizes vocabulary, oral expression, grammar, reading comprehension and composition for

advanced speakers of Spanish (both native and non-native speakers). This third year high school language is taught in Spanish. Prerequisites: SPN 011-012 and SPN 021-022 or their equivalents.

**SPN 041-042 - Spanish 4A and 4B (H) - Cr. 1/2 - 1/2 unit**

Continues the study of advanced grammar and language. Promotes knowledge and understanding of the Spanish speaking world through its language, geography, civilization, culture and literature.

**FRN 011-012 - French 1A and 1B (CP) - Cr. 1/2 - 1/2 unit**

Stresses the acquisition of basic skills, listening, speaking, reading, and writing and introduces the culture of French speaking countries. The essentials of grammar are explained and practiced.

**FRN 021-022 - French 2A and 2B (CP) - Cr. 1/2 - 1/2 unit**

Continues the study of grammar, culture, and basic skills. Introduces the development of skill in composition and conversation.

**Art**

**ART 011 - Art 1A (CP) - Cr. 1/2 unit**

Introduces two dimensional art with an emphasis on basic design theory.

Composition, color theory artistic techniques, computer basics and perspective will be covered. No prerequisite. Course is offered Fall and Spring semester.

**ART 012 - Art 1B - (CP) - Cr. 1/2 unit**

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. Prerequisite ART 011 or permission of instructor. Spring semester.

**Music**

Performing/Activity music classes (0.25 credit) are now numbered from 011, 012, 021 etc. through 041, 042 with a suffix to show type of class as follows:

**MUS 011B - 042B - Band (CP) - Cr. 1/4 unit per semester**

Designed to provide a marching and concert band performance experience. The marching band aspect begins in August and continues until the football season is completed. Emphasis on performance in a concert setting begins in November and continues through the remainder of the academic year. Admission is gained through audition or invitation of the Band Master.

**MUS 011J-042J - Jazz Band -  
Cr. 1/4 unit per semester**

Affords opportunities to all qualified students who are interested in jazz, popular, and "big band" music. Admission is gained by audition or invitation of the Band Master.

**MUS 011S - 042S - Concert Choir  
- (CP) - Cr. 1/4 unit per semester**

Affords opportunities to all students who are interested in singing and performing vocal music of numerous periods and styles. Admission is gained by audition or invitation of the choral director.

**MUS 011C-042C - Chapel Choir -  
Catholic**

**MUS 011P- 042P - Chapel Choir -  
Protestant  
Cr. 1/4 unit per semester**

Affords opportunities to all students who are interested in singing and performing sacred music. Admission is gained by audition or invitation of the choral director.

**MUS 011L-042L - Applied Music  
Lessons - Cr. 1/4 unit per semester**

Provides private music instruction on piano, voice, and various instruments. Prerequisite: Permission of instructor.

**MUS 011V-042V - Vocal Ensemble  
- Cr. 1/4 unit per semester**

Provides opportunities for those students who are interested in small

vocal ensemble participation and its related genres (jazz, popular, madrigal, barbershop, etc.).

Admission is gained by audition or invitation of the Choral director.

**MUS 031 - Introduction to Music  
(CP) - Cr. 1/2 unit per semester**

Offers high school students an opportunity to explore the basic elements of music, composers, literature, and vocal and instrumental music from antiquity to the present day. A background in music is not a prerequisite for this course as it will be directed toward the non-musician.

**Humanities Honors (H) Courses**

Courses designated (H) in the listing above are high school Honors courses. In addition, some, but not all, humanities college courses may be designated as Honors when taken by NMMI high school cadets for high school credit. A listing of these courses is available upon request.

**Division of Natural Sciences  
and Mathematics**

**DIVISION CHAIR**

**Terry L. Cleveland, Colonel,  
NMMI (1973) D.A., University of  
Northern Colorado**



## PROFESSORS

**Cheryl A. Martinez, Colonel,**  
NMMI (1986) Mathematics,  
M.S.T., New Mexico Institute of  
Mining and Technology

**James B. Montgomery, Jr.,  
Lieutenant Colonel, USAR (ret)**  
(1981) Biology, Ph.D., Texas Tech  
University

**Michael A. Ryan, Colonel, NMMI**  
(1987) Mathematics, M.A.,  
Northern Arizona University

**Robert E. Willis, Jr., Colonel,**  
NMMI (1991) Physics, Ph.D.,  
Duke University

**Eugene K. Zuber, Colonel, NMMI**  
(1977) Chairman, Department of  
Mathematics M.S., East Texas State  
University

## ASSOCIATE PROFESSOR

**Jerry A. Garcia, Lieutenant  
Colonel, NMMI (1978)**  
Mathematics, M.S., Eastern New  
Mexico University

**Mary E. Hanson, Lieutenant  
Colonel, NMMI (1989) Physical  
Sciences, M.A., Indiana University**

**Sandra L. Rieke, Lieutenant  
Colonel, NMMI (1989)**  
Mathematics, M.S.Ed., Indiana  
University

## ASSISTANT PROFESSORS

**Mary Beth Atwood, Major, NMMI**  
(1994) Biology, M.S., New Mexico  
State University

**Clare L. Galloway, Major, NMMI**  
(2000) Mathematics, M.A., New  
Mexico State University, M.S.,  
University of North Texas

**Thomas Tekut, Major, NMMI,**  
(1998) Chemistry, Ph.D., Texas  
Tech University

**Elena A. Viltchinskaia, Major,**  
NMMI (2002), Chemistry, Ph.D.,  
Ural Polytechnic Institute

## INSTRUCTORS

**Will Boston, Captain, NMMI**  
(2002), Biology, M.S., Texas Tech  
University Health Sciences Center

**David Crilly, Captain, NMMI**  
(2003), Mathematics, B.S.  
Northeastern State University

**Nancy Hein, Captain, NMMI**  
(2002), Biology, M.S. University of  
Alaska, Anchorage



## BIO 021-022 - Biology (CP) - Cr. 1/2 - 1/2 unit

Surveys the five kingdoms of organisms, with emphasis on human biology. Molecular biology, nature of scientific data, and bio-terminology are emphasized. Laboratory work

includes the metric system, compound microscope, plant and animal dissections, and teacher demonstrations. Lab fee required.

### Physics

**PHY 031-032 - Physics (CP) -  
Cr. 1/2 - 1/2 unit**

Introduces the fundamental physical concepts of time, space, and matter, the development of the wave nature of light, the study of the dynamics of motion and electricity in a year sequence course. Includes demonstrations and outside reference readings. Lab fee required. Prerequisite: MTH 033-034. Concurrent enrollment in MTH 043-044, 047-048 or 061-062 recommended.

### Earth Science

**ESC 031-032 - Earth Science (CP)  
- Cr. 1/2 - 1/2 unit**

Involves a study of physical processes of the earth and universe in a year's course. The Fall semester is a survey of astronomy, meteorology, and oceanography. The Spring semester is a survey of geology with extensive laboratory work in geologic processes. Lab fee required.

### Chemistry

**CHM 031-032 - Chemistry (CP) -  
Cr. 1/2 - 1/2 unit**

Helps 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. Lab fee required. Prerequisite: MTH 021-022 with a minimum grade of "C."

### Science of Design

**SCI 031-032 - Science of Design -  
(CP) - Cr. 1/2 - 1/2 unit**

Introduces a study of the application of engineering design to real world problems/situations. Lab work consists of computer simulations and computer designed 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. Lab fee required.

## Mathematics

**NOTE:** Prospective NMMI graduates must successfully pass one year of NMMI mathematics at the Algebra 2 level or above.

### **MTH 015-016 - Pre-Algebra A and B - Cr. 1/2 - 1/2 elective unit**

Covers operations on whole numbers, decimals, fractions, signed numbers, percents, ratios, word-problems, perimeter, area, volume, algebraic phrases, exponentials, algebraic equations. For elective credit only.

### **MTH 017 - Algebra 1/2 - Cr. 1/2 elective unit**

Covers in an accelerated course of one semester the topics from MTH 015-016. Students who have completed MTH 016 should not enroll in this course. For elective credit only.

### **MTH 021-022 - Algebra IA and IB (CP) - Cr. 1/2 - 1/2 unit**

Covers letters representing quantities, positive and negative numbers, percentages, word problems, polynomials, rational expressions, factoring, equations, lines, graphing, functions, radical and exponential forms, scientific notation, and the quadratic function.

### **MTH 033-034 - Algebra IIA and IIB (CP) - Cr. 1/2 - 1/2 unit**

Reviews first-year algebra. Extends to numerical and literal equations, area, volume, surface area, uniform motion, complex numbers, similar triangles, right triangle trigonometry, applications to science-related problems, variation, graphs. Emphasizes systems of problem solving, concepts, and appropriate skills. Prerequisite: Successful completion of MTH 021-022.

### **MTH 037-038 - Geometry A and B (CP) - Cr. 1/2 - 1/2 unit**

Covers geometric forms and patterns in "real life" applications. Extends to observations for inductive reasoning and proofs. Geometric constructions and applications of geometry are introduced prior to proving the mathematics of geometry. This study of geometric building blocks includes area, volume, similarity, the Pythagorean Theorem and logic, with practical applications. Prerequisite: MTH 021-022.

### **MTH 042 - Trigonometry (CP) - Cr. 1/2 unit**

Considers functions of acute angles, logarithms, solutions of right triangles, graphing of functions, identities, general triangles, applications of trigonometry to algebra. Stresses applied problems. Prerequisite: MTH 033-034.

**MTH 043-044 - Geometry -  
Trigonometry - Algebra III A and  
B (H) - Cr. 1/2 - 1/2 unit**

Continues the development in Algebra I and II. Normal geometric concepts are studied, including column and paragraph proofs. 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. Prerequisite: MTH 033-034.

**MTH 047-048 - Pre-Calculus A/B  
(H) - Cr. 1/2 - 1/2 unit**

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, functions, trigonometry, matrices and conic sections. Prerequisite: MTH 033-034, MTH 037-038 or MTH 043-044.

**MTH 061 - Calculus A (H) -  
Cr. 1/2 unit**

Reviews basic algebra, algebraic functions, trigonometric functions, and graphs. Covers limits, derivatives of algebraic and

trigonometric functions, related rates, optimization, curve sketching. Prerequisite: MTH 043-044 or MTH 047-048.

**MTH 062 - Calculus B (H) -  
Cr. 1/2 unit**

Covers antiderivatives, 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, hyperbolic functions, techniques of integration, infinite series, power and Taylor series. Prerequisite: Minimum grade of "C" in MTH 061.

**MEN 051 - Technical Drawing  
(CP) - Cr. 1/2 unit**

Introduces basic engineering graphical principles and applications. Topics include technical drawing and design, geometrical construction, drawing conventions, free hand sketching, orthographic projection, and descriptive geometry. The student is required to learn AUTOCAD. Does not meet math requirements. Lab fee required. Prerequisite: MTH 037-038 and CIS017.

**Math/Science Honors  
(H) Courses**

Courses designated (H) in the listing above are high school Honors courses. In addition, some, but not all, math/science college courses may be designated as Honors when taken by NMMI high school cadets for high school credit. A listing of these courses is available upon request.

**NOTE:** Prospective NMMI graduates must successfully pass one year of NMMI mathematics at the Algebra 2 level or above.

**Division of Social Science  
and Business Administration**

**DIVISION CHAIR**

**Lester A. Smith, Colonel, NMMI**  
(1980) M.B.A., New Mexico State University

**PROFESSORS**

**Stanley S. Phipps, Colonel, NMMI**  
(1983) Social Sciences, Ph.D.,  
University of Idaho

**ASSOCIATE PROFESSOR**

**Marian des Cognets, Lieutenant Colonel, NMMI** (1992) History, M.A., University of Maine

**Teresa L. Garvey, Lieutenant Colonel, NMMI** (1989) Business Administration, Department Chair, M.B.A., Eastern New Mexico University

**Lynn W. Neill, Lieutenant Colonel, NMMI** (1983) History and Social Science, Ed.S., University of New Mexico

**ASSISTANT PROFESSORS**

**Richard Kitchen, Major, NMMI** (2003) History and Social Science, Ph.D. Arizona State University

**John K. Umberger, Major, USA Ret.** (2000) Social Science, M.P.A., Golden Gate University, M.A., Naval Post Graduate School

**Terry D. Waggoner, Major, NMMI** (1984) (2001) Sociology, Ed. M. Boston University

**INSTRUCTORS**

**Billy S. Gallagher, Captain, NMMI** (2001) History, B.S. New Mexico State University

**Susan Glen, Captain, NMMI** (1988) (2001) Computer Concepts, B.A. New Mexico Highlands University

## Social Science

### **HIS 011-012 - World History/Geography (CP) - Cr. 1/2 - 1/2 unit**

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

### **HIS 021-022 - United States History (CP) - Cr. 1/2 - 1/2 unit**

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. Second semester, the course surveys United States history from the beginning to Reconstruction to the present.

### **HIS 031 - History of the Southwest (CP) - Cr. 1/2 unit**

Surveys the political, economic, social and cultural development of the Southwestern states to include Texas, New Mexico, Arizona, California, Colorado and Utah.

### **GVT 031 - American Government (CP) - Cr. 1/2 unit**

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

### **PSY 041 - Psychology (CP) - Cr. 1/2 unit**

Studies motivation and behavior patterns and the complex influences in our culture. Designed to encourage a scientific examination of human nature.

### **SOC 041 - Sociology (H) - Cr. 1/2 unit**

Studies the structure and nature of contemporary American society, explains the behavior of humans as group members and includes a familiarization with society's technology, ideology, and social control system.

### **COM 091 - Current Events I (CP) - Cr. 1/2 unit**

Provides an opportunity to develop or improve written and communicative skills through the examination of current issues, movements and influential people. Emphasis placed on research, writing, vocabulary, individual presentations and group discussions. Freshmen and Sophomores only. May not be repeated.

### **COM 092 - Current Events II (CP) - Cr. 1/2 unit**

Provides an opportunity to develop or improve written and communicative skills through the examination of current issues, movements and influential people. Emphasis placed on research,

writing vocabulary, group presentations and discussions/debate. Juniors and Seniors only. Priority given to those without COM 091. COM 092 may be repeated with instructor and division chair approval.

### **Business Administration**

#### **BUS 035 - General Business - Cr. 1/2 unit**

Provides a basic understanding of the functions of business organizations within our economic and social environment, specific emphasis upon the handling of one's personal business affairs, and an individual's relationship to the world of work.

#### **BUS 041 - Technical Communication (CP) - Cr. 1/2 unit**

Introduces the theory and practice of business writing emphasizing style, structure, and format in letters, memoranda, resumes, and reports. Students successfully completing this course may not enroll in COM 041. Concurrent Enrollment with BUS 204.

#### **BUS 042 Business Law (CP) - Cr. 1/2 unit.**

Investigates the basic principles of tort law and their application for business problems. Includes court systems, legal procedures, law of contracts, agency, employment,

negotiable instruments, personal property and sale of goods.

#### **CIS 015 Computer Concepts I (CP) - Cr. 1/2 unit**

Introduces the keyboard and principle components of the 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. It is a self-paced course and not for students who have received credits for a similar course. Lab fee required. Does not meet the computer science graduation requirements.

#### **CIS 017 - Computer Concepts II (CP) - Cr. 1/2 unit**

Studies the impact of computers on society, including the development of information processing and program development. Microcomputers are used for the teaching of various productivity applications such as word processing, database management, spreadsheets, desktop publishing and the Internet. Lab fee required.

#### **ECN 051 - Economics (CP) - Cr. 1/2 unit**

Introduces fundamental economic concepts and the study of the five main divisions: consumption, production, exchange, distribution, and governmental functions.

**Social Science/Business  
Administration Honors  
(H) Courses**

Courses designated (H) in the listing above are high school Honors courses. In addition, some, but not all, social science/business administration college courses may be designated as honors when taken by NMMI high school cadets for high school credit. A listing of these courses is available upon request.

**Physical Education**

**DIVISION CHAIR**

**Richard C. Stecklein, Colonel,**  
NMMI (1973) M.A., Fort Hays  
State University

**INSTRUCTORS**

**Jose Barron, Captain,** NMMI  
(2001), Football, B.S. New Mexico  
State University

**J. Dwight Burns, Major,** NMMI  
(1978) (1984) Football, Track B.S.  
Angelo State University

**Reginald W. Franklin, Major,**  
NMMI (1991) College Basketball,  
B.S., Southern Methodist University

**Kevin Jones, Major,** NMMI (1992)  
Department Chair, Basketball,  
Soccer, B.S. Eastern New Mexico  
University

**Jeff Lynn, Captain,** NMMI (2001)  
Football, Basketball, M.A. Eastern  
New Mexico University

**John O'Mera, Captain,** NMMI  
(1993) College Football, B.A.,  
Western New Mexico University

**Jan Olesinski, Captain,** NMMI  
(1988) Cross Country, Swimming,  
Girls track, M.A. Academy of P.E.  
Poland

**Anthony Redding, Captain,** NMMI  
(2001) College Football, M.A.  
Eastern New Mexico University

**Charlie Savedra, Major,** NMMI  
(1981-1986) (1996) High School  
Athletic Director, M.A. Newman  
University

**Charity Savedra, Captain,** NMMI  
(2001) College Volleyball, B.A.  
Southern Methodist University

**Sean Schooley, Major,** NMMI  
(1987) College Basketball, B.A.  
McMurry University

**Chip Schuler, Captain,** NMMI  
(2001), College Football, BGS  
Pittsburg State University

**Delbert E. Wiginton, Major,**  
NMMI (1982), College Golf,  
M.B.A., Eastern New Mexico  
University

**Martin Zeller, Major,** NMMI  
(1999) College Baseball, B.S. Baylor  
University

**PHE 020 - Health and Fitness**  
**Cr. 1/4 unit each**

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.

**PHE 021 - 099 - Exploring Lifetime Sports - Cr. 1/4 unit each**

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

No.	Course
023	Swimming
031	Bowling
035	Cardio Training
037	Golf
040	Racquetball Sports
043	Backpacking
044	Nautilus Training
048	Tennis
049	Free Weights

**Leadership Education**

**DIVISION CHAIR**

**C. Rocky Johnson, Major, USA**  
Ret. (2002), Senior Army Instructor,  
M.A. Eastern New Mexico  
University

**INSTRUCTORS**

**David G. Alexander, Sergeant First Class, USA Ret. (1989)**

**Theodore H. Alley, Master Sergeant, USA Ret. (1985)**

**Floyd Bell, Sergeant First Class, USA Ret. (1995)**

**Jimmy R. Force, Sergeant First Class, USA Ret. (1986)**

All high school cadets participate in the Junior ROTC program. Junior ROTC consists of leadership education courses 1 through 4 which coincide with the year the high school cadet enters the program and not the year the student is in high school.

Military training, offered through the Junior ROTC Program, is a cooperative effort contractually agreed to by the United States Army and NMMI as a means of providing high school cadets opportunities for leadership development in the interest of national security.

**LET 011-012 - Leadership Education 1 - Cr. 1/4 - 1/4 unit**

Consists of sub-courses 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.

**LET 021-022 - Leadership Education 2 - Cr. 1/4 - 1/4 unit**

Consists of sub-courses 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.

**LET 031-032 - Leadership Education 3 - Cr. 1/4 - 1/4 unit**

Consists of sub-courses 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.

**LET 041-042 - Leadership Education 4 - Cr. 1/4 - 1/4 unit**

Offers sub-courses 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.

### Library Division

#### DIVISION CHAIR

**Jerome J. Klopfer, Colonel,** NMMI (1984) Director, Learning Resource Center M.L.S., University of Michigan

#### LIB 010 - Bibliographic Instruction - Cr 0.0 hr

For limited English speaking skilled high school students, this course develops library and information literacy skills, provides increased proficiency in the English language, and academic leadership. High School students are co-enrolled in LET 011/012 for 0.25 Cr.

### Student Assistance Center

#### DIVISION CHAIR

**Suzanne M. Staffki-Steil, Colonel,** NMMI (1979-90) (1991) M.Ed., Eastern New Mexico University

#### INSTRUCTORS/ADVISORS

**Nancy M. Burrola, Colonel,** NMMI (1987) M.A., University of New Mexico

**Marla Higginbotham, Lieutenant Colonel,** NMMI (1992) M.S., Mankato State University

**Rhonda Johnson, Captain,** NMMI (1989-2000) (2001) B.U.S. Eastern New Mexico University

**William A. Sluyter, Lieutenant Colonel,** USA Ret (2001) M.A. Mental Health Counseling, Webster University

#### COUNSELORS

**Davis Featherstone, Major,** NMMI (1986-1991) (1993-1995) (1999) Licensed Counselor B.S. Institute for Reality Therapy

**Daniel L. Musgrave, Chaplain,**  
Major, USA Ret (1999) Counselor,  
M.Div., United Theological  
Seminary, M.A. Butler University

## SUMMER SESSION

NMMI Summer session offers courses from the regular curriculum based on demand and availability of teachers. Courses listed below are not part of the regular curriculum and are only offered in the summer.

**ENG 001-003 English as a Second Language - Cr. 1/2 - 1/2 unit (ESL) Grammar/Oral Expression, and Composition.**

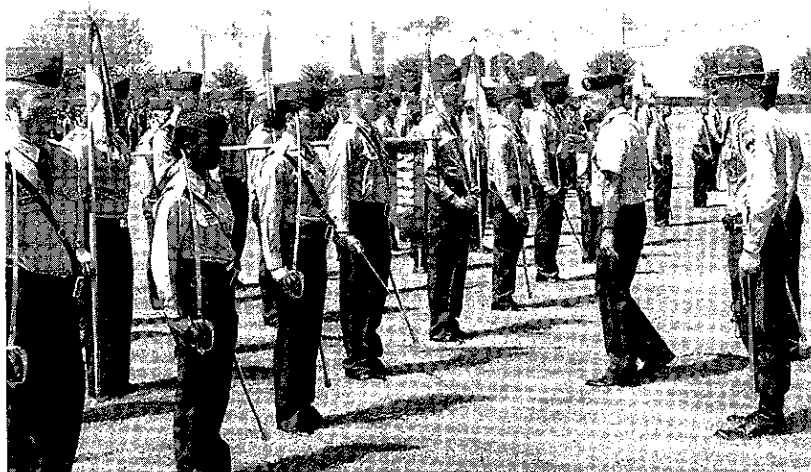
Provides an intensive summer course in listening, reading, speaking and writing in English for international students. Multiple class sessions daily feature drills and practical study in grammar, composition, and oral English.

**ELE 040 - Success With Tests: ACT/SAT Prep - Cr. 1/2 unit**

Employs a number of approaches to develop student capacity to perform more effectively on the ACT/SAT exams. The course will be divided into 2/3 verbal and 1/3 math instruction. Both verbal and math portions will run concurrently.

**SCI 099 - Introduction to Physical Science - Cr. 1/4 unit**

Introduces students to the basic concepts of the physical sciences. Emphasis will be placed on hands-on techniques utilizing graphing calculators and other appropriate technology. (Does not meet high school lab science requirement.)





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