

Wentworth Military Academy and College



College Catalog 2011 – 2013

Please Note: In this catalog, reference to Cadets will be individuals who reside on campus and reference to Students will be individuals who reside off-campus.

It is the policy of Wentworth Military Academy and College (WMAC) to maintain and promote equal employment and educational opportunity without regard to race, color, sex, age, religion, national origin, marital status, disability, veteran's status, or other non-merit factors.

This is the official catalog for WMAC and represents a listing of course offerings and graduation requirements. Cadets/Students entering the college will be expected to follow the policies and requirements of this catalog as their official catalog for the dates of 2011 – 2013. If the program is not completed by 2013, the Cadet/Student may be subject to following the requirements of an updated catalog.

Cadets/Students are expected to become thoroughly familiar with the contents of this catalog and to comply with the provisions herein.

WMAC reserves the right to change any provision or requirement when such action will serve the interest of the college or its Cadets/Students. The college further reserves the right to deny admission, cancel the registration, or ask a Cadet/Student to withdraw when it considers such action to be in the best interest of the college.

It is the responsibility of the Cadet/Student to satisfy all financial obligations to WMAC. Cadets/Students who have a financial obligation are subject to withholding educational records and/or disenrollment.

Mission Statement

Wentworth's mission is to ensure that our students develop the academic skills, intellectual habits, leadership qualities, self-discipline, and character traits necessary to provide a foundation for life-long learning.

College Learning Goals

Communicating
Higher-Order Thinking
Managing Information
Valuing
Social and Behavioral Sciences
Humanities and Fine Arts
Mathematics
Life and Physical Sciences

Wentworth Military Academy and College

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www.wma.edu/College

**For more information, please call the Wentworth Military
Academy and College Student Services Office
660-259-2221, ext 1308**

Extension Site Locations

Cameron, Missouri
Hermitage, Missouri
Lamar, Missouri

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Foreword

WMAC, one of the oldest junior colleges west of the Mississippi, was organized in 1923 as an outgrowth of the Academy, which was established in 1880. WMAC offers high school graduates, GED recipients and homeschooled individuals the same courses in liberal arts and science that are available in the leading universities and colleges throughout the United States.

The schedule of classes will offer Cadets/Students the opportunity to enroll in coursework during the day, evening, and online. The instructional staff is highly qualified to present a challenging curriculum and to prepare each Cadet/Student to continue with a four-year program.

ACCREDITATION

WMAC is accredited by The Higher Learning Commission and is a member of the North Central Association (312-263-0456; 1-800-621-7440), <http://www.ncahlc.org>.

WMAC is accredited by and a member of:

- The Higher Learning Commission – A Commission of Institutions of Higher Education
- The Missouri Coordinating Board for Higher Education
- The Missouri Department of Elementary and Secondary Education
- The National Association of Independent Colleges and Universities
- The Council of North Central Two Year Colleges
- American Association of Community Colleges
- American Association of Collegiate Registrars and Admissions Officers
- Missouri Association of Collegiate Registrars and Admissions Officers

ADMISSION REQUIREMENTS

The Cadet/Student must provide: a completed application form, ACT/SAT scores (if completed) showing evidence of the ability to achieve passing grades, official transcript showing proof of graduation from high school or a GED certificate, and official college transcripts of previous colleges attended. Official transcripts must be mailed directly to the WMAC Admissions Office.

NOTE: The above criteria apply to all students seeking to obtain a degree. Students not seeking a degree may enroll in up to 9 hours of classes per year as a continuing education student.

TESTING

Applicants are strongly encouraged to take the American College Test (ACT) or Scholastic Aptitude Test (SAT) and to provide results to the Admissions Office. Both tests are offered on campus throughout the academic year.

Prerequisite tests may be required for courses as deemed necessary by the instructor and could be used for academic placement.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

WMAC adheres to and observes the rules, regulations and guidelines of the Family Educational Rights and Privacy Act (FERPA) of 1974, as amended. Copies of the full policy may be obtained from the Office of the College Registrar or by visiting <http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>.

DISCRIMINATION POLICY

WMAC admits Cadets/Students of any race, sex, color, or national and ethnic origins with all the rights, privileges, programs, and activities generally afforded to students at the school. It does not discriminate on the basis of race, color, sex, national and ethnic origin in policies, scholarship, financial aid or loan programs. Sexual harassment or sex discrimination in any form is prohibited in all college activities or by any persons associated with WMAC. It is the duty of any person having knowledge of any of these forms of discrimination to report them to the administration for investigation.

STUDENTS WITH DISABILITIES POLICY

WMAC intends to provide reasonable accommodations for any student with a federally defined disability. It is the responsibility of a student who wishes to claim such a disability to file official documentation with the Registrar's Office prior to seeking any accommodations based on the disability. Once adequate documentation has been received, the Academic Dean will work with the student to develop reasonable accommodations for the disability. Students may appeal any decisions regarding reasonable accommodations to the Provost.

DRESS CODE POLICY

Cadets will wear the uniform of the day to all classes as required by the Cadet Handbook. Students are expected to dress in a manner that is appropriate and not disruptive to the learning environment. Clothing should not display vulgar or obscene language or artwork/pictures, or any promotion of alcohol, drugs or tobacco. Clothing should not be excessively tattered, torn or worn. Hats and sunglasses should not be worn in academic buildings.

Questions regarding the Dress Code Policy should be directed to the Academic Dean for interpretation.

Financial Assistance

The Financial Aid Office assists Cadets/Students and their families in planning for the cost of attending WMAC. The College awards and/or administers five general types of assistance:

1. Grants, which are financial gifts usually based on financial need;
2. Scholarships, which are financial gifts usually based on academic, ROTC, or other high achievement;
3. Loans, which can be from federal or state governments as well as from banks and savings institutions;
4. Employment, which can be either on- or off-campus; and

5. Other sources, such as Veteran's Administration Benefits, Vocational Rehabilitation, and others.

Since grants and scholarships are gifts, they usually do not have to be repaid. Loans must be repaid with interest at a future date, which usually commences six months after the Cadet/Student ceases to be enrolled at least half-time.

Most financial assistance programs assume that the primary responsibility for educational and living expenses rests with the Cadets/Students and/or parents to the extent that they are able to provide assistance.

Financial aid policies and procedures may change at any time to insure compliance with federal regulations and institutional policies. For more detailed information on financial aid and Cadet/Student employment, contact the Financial Aid office at 660-259-2221, Extension 1244.

TO APPLY

Cadets/Students should contact the Financial Aid Office at WMAC for information and forms. Any Cadet/Student requesting financial assistance must complete and submit a Free Application for Federal Student Aid (FAFSA). The FAFSA may be obtained from any high school guidance counselor or from WMAC's Financial Aid Office. A FAFSA can also be filed electronically using FAFSA-on-the-Web, an internet site supported by the U.S. Department of Education. The address is www.fafsa.ed.gov and there is no charge to apply. Wentworth's school code is 002522. Other documentation may also be required to be furnished to the financial aid office in determining eligibility. *Students are requested to provide official transcripts of previous colleges attended.* WMAC holds all financial information in strictest confidence and uses the information only to determine eligibility for financial assistance.

All students enrolled at WMAC should apply for financial aid.

SATISFACTORY ACADEMIC PROGRESS

Federal law requires that every Cadet/Student who wishes to continue receiving federal financial aid maintain satisfactory academic progress toward the completion of his or her degree program. Satisfactory academic progress is defined as successfully completing at least two-thirds of the credit hours attempted during a school year and maintaining at least a 2.0 cumulative grade point average (GPA). Please be aware that certain state financial assistance programs require a recipient to maintain different standards of satisfactory academic progress.

COMPLAINTS/GRIEVANCE POLICY

WMAC procedures related to harassment, grades or academic appeals, financial aid appeals, and equal opportunity apply to all enrolled Cadets/Students without discrimination on the basis of race, religion, gender, age, national origin, or disability. Cadets/Students who feel they have been discriminated against or have an academic or financial aid complaint should contact the Academic Dean or Superintendent. A written statement describing the service denied is required of the Cadet/Student. A review of the appeal will occur between the contact person that the complaint was filed within two weeks, and all involved parties will be notified of the decision.

INSPECTOR GENERAL

The Inspector General (IG) will be available privately to hear any complaints or allegations of wrong doing by any member of the student body. The IG will also accept anonymous complaints by the individual's dropping his/her complaint in one of three locked boxes located in the Administration Building, Groendyke Hall, or the Scholastic Building. The IG will expeditiously conduct an investigation to determine the validity of the allegation. If the allegation is substantiated, the IG will advise the Superintendent and the President of the allegation and findings and make a recommendation to the Superintendent and President who will determine the appropriate action. The identity of the individual making the complaint or allegation will be protected in order to avoid retaliation.

Academic Affairs

CADET/STUDENT CONDUCT CODE

The primary intent of this Code is to maintain and protect an environment conducive to learning. WMAC standards reflect higher expectations of behavior than may be prevalent outside the WMAC community.

Any Cadet/Student found to have committed or to have attempted to commit the following misconduct on WMAC Campus may be subject to disciplinary sanctions:

- Acts of Dishonesty – Acts of dishonesty, including but not limited to the following:
 - Academic Dishonesty – cheating, plagiarism, or other forms of academic dishonesty.
 - False Information – Furnishing false information to any college official.
 - Forgery – Forgery, alteration, or misuse of any WMAC document, record, or instrument of identification.
- Disruption – Intentional disruption or obstruction of teaching, research, administration, or disciplinary proceedings.
- Abuse – Physical abuse, verbal abuse, threats, intimidation, harassment, coercion, and/or other conduct which threatens or endangers the physical health, mental health, or safety of any person.
- Theft – Attempted or actual theft of and/or damage to WMAC property, property of a member of the WMAC community, or other personal or public property.
- Hazing – Any behavior which constitutes hazing.
- Failure to Comply – Failure to identify oneself to WMAC personnel when requested to do so.
- Unauthorized Entry – Unauthorized possession, duplication or use of keys to any WMAC premises or unauthorized entry to or use of WMAC premises.
- Controlled Substances – Use, possession, manufacturing, or distribution of Controlled Substances except as expressly permitted by law. Students with confirmed possession or use of controlled substances on WMAC premises or during any WMAC activity with no right to legally use such controlled substances may face immediate dismissal.
- Alcohol – Use, possession, manufacturing, or distribution of alcoholic beverages, and/or on-campus intoxication.

- Firearms/Weapons – Illegal or unauthorized possession of firearms, explosives, other weapons, or dangerous chemicals on WMAC premises or use of any such item, even if legally possessed, in a manner that harms, threatens, or causes fear to others. Students with confirmed violation of the Weapons policy will face immediate dismissal.
- Computer Theft and Abuse – Theft or other abuse of computer facilities and resources.

WMAC is a Tobacco and Drug Free Environment.

In addition to the above, **CADETS** must adhere to the WMAC Cadet Handbook.

TOBACCO POLICY

WMAC is a tobacco free institution. To comply with Missouri State law and to promote good health, WMAC does not permit the use of tobacco products to include dipping, chewing, and using snuff. This also applies to alternative products like licorice cigarettes and mint dip. According to the Surgeon General, smoking poses a significant risk to the health of the smoker and to those in the immediate area. Smoke from cigarettes, cigars and pipes is also an irritant to many non-smokers and can exacerbate allergic conditions.

MINIMUM STANDARDS OF PROGRESS

Academic Probation

A Cadet/Student whose cumulative GPA drops below 2.0 will be placed on academic probation. A transfer Cadet/Student will be placed on academic probation at the time of admission if his/her cumulative GPA is less than 2.0. Cadets/Students placed on academic probation may continue to enroll in classes. Cadets/Students are encouraged to seek advice from the Academic Dean about future enrollments.

Removal from Probation

A Cadet/Student placed on academic probation will be continued on probation until their cumulative GPA is 2.0 or higher, unless for academic reasons he/she is suspended or dismissed. When a Cadet/Student on academic probation raises his/her cumulative GPA to 2.0 or above, the Cadet/Student is removed from probation.

Academic Suspension

A Cadet/Student on academic probation will be suspended from WMAC at the conclusion of his/her next semester/enrollment period if his/her semester/enrollment period GPA is less than 2.0. A transfer Cadet/Student who was admitted on probation will be suspended from WMAC at the conclusion of his/her first semester/enrollment period if his/her semester/enrollment period GPA is less than 2.0. When a Cadet/Student has been placed on academic suspension, either as a Cadet/Student at WMAC or as a transfer Cadet/Student, he/she will be required to complete 12 credit hours with at least a 2.0 cumulative GPA at his/her own expense before financial aid will be re-instated. Academic suspension is for a period of one full semester after which Cadets/Students may apply for readmission.

Academic Dismissal

A Cadet/Student who has been suspended and later readmitted and continues on probation, but does not achieve a semester GPA of 2.0 or higher in a subsequent semester/enrollment period, will be dismissed. Academic dismissal is for a period of one calendar year, after which Cadets/Students may apply for readmission.

ACADEMIC REINSTATEMENT

The readmission of Cadets/Students who have been suspended or dismissed from WMAC is not automatic. Such Cadets/Students may apply for readmission as follows:

1. Cadets/Students who have been suspended may apply for readmission after one semester. Cadets/Students who have been dismissed may apply for readmission after one calendar year. Requests for readmission should be sent to the Academic Dean.
2. A Cadet/Student with extenuating circumstances who has been suspended or dismissed may apply for immediate (or early) readmission. A letter should be written to the Academic Dean. This letter should include: (a) a request for readmission, (b) an explanation of any extenuating circumstances for earlier poor performance, and (c) an explanation of activities and plans which may lead to improved scholastic performance at WMAC. Other substantiating evidence may also be submitted.

HONORS AND GRADE POINT SYSTEM

A college Cadet/Student must carry a full academic load (refer to Academic Load) for the 16-week semesters ending in December or May and the 10-week term ending in August in order to be eligible for any of the academic honor lists.

For the Academic Dean's List, the college Cadet/Student must earn a semester GPA of 3.0 or higher and have no grade below C. For the President's List, the college Cadet/Student must earn a minimum GPA of 3.50 or higher and not have any grade below a B.

The GPA is calculated as follows: Multiply the number of semester hours earned in a specific course by the quality point for the grade in the course. Complete the same procedure for each course and add all the quality points together. Divide the sum by the sum of all semester hours attempted. The result is the cadet's/student's GPA.

The grading system of WMAC is on a 4.0 scale as follows:

- A = 90 – 100 (4.000 quality points)
- B = 80 – 89 (3.000 quality points)
- C = 70 – 79 (2.000 quality points)
- D = 60 – 69 (1.000 quality points)
- F = 0 – 59 (0.000 quality points)

Other grades used include the following:

- W = Withdrew (not counted in calculating GPA)
- AW = Administrative Withdraw

COURSE COMPLETION/REPEAT POLICY

Completion of a Course

A course is considered complete if the Cadet/Student earns a grade of A, B, C or D for the course. A course in which the Cadet/Student receives a grade of F, W or AW is not considered a completed course.

- The Academic Dean may, after consulting with relevant faculty, waive any of the regulations governing a Cadet's/Student's eligibility to re-enroll. The Financial Aid Director shall have authority concerning Cadet's/Student's eligibility to receive federal, state and institutional financial aid.

Course Repeat Policy

The Course Repeat Policy will *not* automatically be applied to a cadet's/student's GPA. After completing the second attempt of a course, a Cadet/Student must submit a *Request for GPA Adjustment Form* to the College Registrar's Office in Groendyke Hall.

When a grade received in an initial attempt for a course at WMAC is a "D" or "F", the grade will be replaced in the calculation of the GPA by the grade received in any **second** attempt of the same course at WMAC (note: grade replacement/GPA adjustment does not apply to courses taken at other institutions).

All grades received in second attempts will be included in GPA calculations. No more than **6 semester hours** will be dropped from the calculation of the cadet's/student's GPA. *This policy is effective with course work where the initial enrollment and completion of the course was Fall Semester 2008 and thereafter.*

This policy does not imply a guarantee that openings will be available in courses if and when Cadets/Students wish to retake them. When a course is repeated, all applicable tuition and fees apply.

Clarifying Comments

Cadets/Students may not apply the course repeat policy to courses once they have graduated from WMAC.

If the department or course number has changed since the Cadet/Student completed the first attempt of a course, the department offering the course will verify that the subsequent course is substantially the same and the course repeat policy may apply.

Courses for which a "W" is assigned are not considered an attempt since no final grade has been recorded.

Grades of "C" or greater may not be repeated under the Course Repeat Policy because these grades are considered acceptable work and would not prevent a Cadet/Student from graduating.

GPA ADJUSTMENT REQUEST

GPA Adjustment Request forms may be obtained from the Student Services Office once a course has been successfully completed. It is the responsibility of the Cadet/Student to request a GPA Adjustment.

TRANSFER OF COLLEGE CREDIT

WMAC accepts up to 34 credits transferred from other accredited colleges and universities following the policies outlined in the Missouri Coordinating Board for Higher Education publication, *Credit Transfer: Guidelines for Student Transfer and Articulation among Missouri Colleges and Universities, October, 1987.*

DEGREE SELECTION

To ensure proper course transfer equivalency, it is the cadet's/student's responsibility to contact their transfer institution, once they have determined their degree and area of study, to select courses that will apply to their major/degree program.

MILITARY SERVICE RELATED CREDIT

Credits earned by service personnel through correspondence under the United States Armed Forces Institute or in specialized training programs of the armed services (under certain circumstances) may be accepted for up to four (4) hours of credit. Cadets/Students who have completed six months of active military service must present appropriate evidence of their service experience. The Academic Dean must approve all credit.

ACADEMIC LOAD

To be considered as full-time status, all college Cadets/Students are required to carry a minimum of 12 semester hours within the 16-week semester ending in December or May, or the 10-week semester ending in August. (A Cadet/Student must take a minimum of 6 semester hours in an 8-week term to be considered full-time.) The normal number of hours suggested is 15-18 hours. No college cadet may exceed 18 semester hours, nor take fewer than 12 semester hours without the consent of the Academic Dean.

COMMITTEE ON EXCEPTIONS

Cadets/Students who disagree with academic policies as stated must make written application to the Committee on Exceptions. The committee will be composed of the Academic Dean and two (2) college faculty members.

CLASS ATTENDANCE

Attendance records are maintained by the College and by the respective instructors. Class attendance is mandatory and could affect the final grade. This includes all lectures, seminars, laboratories, and fieldwork for each course. Advance arrangements for unavoidable absences should be made with the instructor and Academic Dean. It is the responsibility of the Cadet/Student to meet all course requirements regardless of absences. The instructor will provide class absence procedures.

ASSESSMENT PROGRAM

Cadets/Students are required to support the Assessment Program to determine the effectiveness of Cadet/Student services and academic programs. These activities include, but are not limited to, tests of general education for freshmen and sophomores, tests of critical thinking for freshmen and sophomores, departmental field of concentration examinations for sophomores, student opinion surveys, and evaluations of instruction.

COURSE CHANGES

A class may be added or dropped by a Cadet/Student prior to the end of the first week of the semester or equivalent thereof. The following policies apply:

- A course must be officially dropped (signed Change of Status Form) by the end of the first week of the term for it not to appear on an official transcript.
- A student must officially Withdraw (Change of Status Form completed and approved) from a course prior to the eighth week of the term (or prior to the fourth week of an eight-week term) for a “W” to be recorded on an official transcript
- If a course is dropped after the eighth week of the term (or fourth week of an eight-week term), a grade of “F” will be recorded on the official transcript.

It is mandatory that a Change of Status Form be signed by the Cadet/Student for it to be considered official. The date of the drop/withdraw will be used to determine refund of tuition. Class transactions WILL NOT BE ALLOWED over the telephone. If a Cadet/Student does not follow the withdrawal procedure, a grade of “F” and full charges for the course may be implemented.

Cadets may not drop a class without the permission of the Academic Dean.

PAYMENT

Full payment or participation in an approved payment plan is required at the time of enrollment.

DEFERRED PAYMENT POLICY

WMAC offers a variety of payment plans for Cadets/Students, depending on the length of their enrollment agreement. Each plan consists of a down payment and regular monthly payments spread out over the lifetime of their enrollment. Please contact the Business Office for complete details of the plan that fits your situation.

CADET/STUDENT REFUNDS

A 100% tuition refund will be granted if the student officially drops (signed Change of Status Form) prior to the end of the first week of the term. A 50% tuition refund will be granted if the student officially withdraws (signed Change of Status Form) prior to the end of the second week of the term. No tuition refund will be given to anyone who withdraws from the beginning of the third week of the term forward. The refund policy for federal financial aid recipients is determined by Federal Regulations (34 CFR 668.22).

LEAVE OF ABSENCE

A Cadet/Student may request in writing one official Leave of Absence (LOA) within one twelve-month period. The LOA must be approved by the Academic Dean prior to leaving school.

A Cadet/Student who fails to return at the end of an approved LOA is subject to refund and payment requirements based on his/her official withdrawal date.

GRADUATION REQUIREMENTS

Upon completion of 64 semester hours of credit in the respective areas required, a Cadet/Student may earn the Associate of Arts, Associate of Science, or Associate of

Applied Science degree. Of these 64 semester hours, the last 30 must be completed at WMAC.

The Associate Degree program also requires a cumulative GPA of 2.0 or better for all work attempted.

Under Missouri Law, 170.011 R.S. MO (1969), all Cadets/Students are required to pass the United States Constitution and the Missouri State Constitution examinations. Both of these requirements can be met either in HST111, HST112, PS101 or by special arrangement.

SUGGESTED PROGRAMS OF STUDY

Most four-year colleges and universities require two years of general studies for undergraduates before permitting students to pursue studies in upper division courses in their major fields. WMAC offers courses to fulfill pre-nursing, paralegal and business requirements for completion of a degree in these fields. As a school focusing on transferability of our courses, WMAC urges all Cadets/Students to secure an Associate of Arts, Associate of Applied Science or Associate of Science Degree from WMAC.

WMAC is fully aware of the varying requirements of colleges throughout the United States, and permits some deviations from the requirements when necessary to facilitate transfer to the professional school or college that the Cadet/Student expects to attend.

WMAC strongly recommends that Cadets/Students select the college or university to which they will transfer by the time they reach the start of their third semester of full-time study. It is the Cadet's/Student's responsibility to know the specific requirements of the college to which they plan to transfer in order to enroll in the proper courses while attending WMAC.

Various courses of study that are outlined may be appropriate for transfer to specific professional fields. Cadets/Students are not limited to the programs listed. Individual programs can and will be developed to meet Cadet/Student needs. Alterations of existing programs may be made with the approval of the Academic Dean.

The outline is for the purpose of giving an overall view of the work to be completed within the two years. The outline is furnished for the convenience of the Cadet/Student so that he/she may keep track of progress toward the Associate of Arts, Associate of Applied Science or Associate of Science Degree.

DEGREES OFFERED

WMAC offers the Associate of Arts, Associate of Applied Science, and Associate of Science Degrees.

WMAC COURSES

Many colleges and universities make use of a uniform numbering system for courses at several levels of the academic ladder. WMAC, using this system, considers numbers 000 – 100 as remedial courses and 101 – 299 as freshman/sophomore courses.

ASSOCIATE OF ARTS DEGREE

REQUIREMENTS:

ENGLISH	12 HRS	_____
MATHEMATICS	3 HRS	_____
HUMANITIES/FINE ARTS	9 HRS	_____
SCIENCE	5 HRS	_____
HIST/GOV'T/SOCSCI	9 HRS	_____
TECHNOLOGY	3 HRS	_____
REQUIREMENTS	(41 HRS)	_____
ELECTIVES	(23 HRS)	_____

ENGLISH **12 HRS**

ENG100 – English Review.....	3 hrs	_____
*ENG101 – Eng Comp & Rhet I.....	3 hrs	_____
*ENG102 – Eng Comp & Rhet II.....	3 hrs	_____
ENG103 – Journalism	3 hrs	_____
*ENG105 – Public Speaking.....	3 hrs	_____
ENG106– Advanced Public Speaking.....	3 hrs	_____
CHOOSE 3 HRS FROM BELOW:		
ENG201 – English Life & Lit I.....	3 hrs	_____
ENG202 – English Life & Lit II.....	3 hrs	_____
ENG211 – World Masterpieces I.....	3 hrs	_____
ENG212 – World Masterpieces II.....	3 hrs	_____
ENG213 – American Masterpieces I.....	3 hrs	_____
ENG214 – American Masterpieces II.....	3 hrs	_____

MATHEMATICS **3 HRS**

MA100 – Intro to Algebra.....	3 hrs	_____
MA101 – Intermediate Algebra.....	3 hrs	_____
*MA111 – College Algebra.....	3 hrs	_____
MA112 – Trigonometry.....	3 hrs	_____
MA113 – Algebra & Trigonometry.....	5 hrs	_____
MA114 – Calc for Business & Econ.....	3 hrs	_____
MA121 – Analytic Geom & Calc I.....	5 hrs	_____
MA211 – Engineering Physics I w/Lab	5 hrs	_____
MA212 – Engineering Physics II w/Lab.....	5 hrs	_____
MA213 – Statistics.....	3 hrs	_____
MA221 – Analytic Geom & Calc II.....	5 hrs	_____
MA222 – Analytic Geom & Calc III.....	5 hrs	_____

HUMANITIES/FINE ARTS **9 HRS**

CHOOSE 3 HRS FROM BELOW:		
ART102 – Music Appreciation.....	3 hrs	_____
ART104 – Music Fundamentals.....	3 hrs	_____
ART111 – Band I.....	3 hrs	_____
ART112 – Band II.....	3 hrs	_____
ART113 – Band III.....	3 hrs	_____
ART114 – Band IV.....	3 hrs	_____
ART211 – Chorus I.....	3 hrs	_____
ART212 – Chorus II.....	3 hrs	_____
CHOOSE 3 HRS FROM BELOW:		
LA101 – Elementary Spanish I.....	3 hrs	_____
LA102 – Elementary Spanish II.....	3 hrs	_____
LA103 – Elementary Spanish III.....	3 hrs	_____

LA111 – Elementary German I.....	3 hrs	_____
LA112 – Elementary German II.....	3 hrs	_____
LA121 – Elementary French I.....	3 hrs	_____
LA122 – Elementary French II.....	3 hrs	_____
LA131 – Elementary Russian I.....	5 hrs	_____
LA132 – Elementary Russian II.....	5 hrs	_____
LA132 – Elementary Farsi (Persian) I.....	5 hrs	_____
LA142 – Elementary Farsi (Persian) II.....	5 hrs	_____
LA150 – Elementary Arabic I.....	5 hrs	_____
LA151 – Elementary Arabic II.....	5 hrs	_____
LA201 – Intermediate Spanish I.....	3 hrs	_____
LA202 – Intermediate Spanish II.....	3 hrs	_____
LA211 – Intermediate German I.....	3 hrs	_____
LA212 – Intermediate German II.....	3 hrs	_____
LA231 – Intermediate Russian I.....	3 hrs	_____
LA232 – Intermediate Russian II.....	3 hrs	_____

CHOOSE 3 HRS FROM BELOW:

ART101 – Art Appreciation.....	3 hrs	_____
ART103 – Theatre Studies.....	3 hrs	_____
ART201 – Photography I.....	3 hrs	_____
ART202 – Photography II.....	3 hrs	_____
ART203 – Basics in Painting.....	3 hrs	_____
ART205 – Fundamentals of Drawing.....	3 hrs	_____
ART206 – Ceramics.....	3 hrs	_____
PHL101 – Philosophy	3 hrs	_____
PHL111 – Ethics.....	3 hrs	_____
PHL211 – Logic.....	3 hrs	_____
REL111 – Religious Studies.....	3 hrs	_____
REL112 – Bible as Literature.....	3 hrs	_____
REL113 – World Religions.....	3 hrs	_____

SCIENCE **5 HRS**

SCI100 – Biological Science w/lab.....	4 hrs	_____
SCI101 – Physical Science w/lab.....	5 hrs	_____
SCI102 – Zoology w/lab.....	4 hrs	_____
SCI103 – Astronomy w/lab.....	4 hrs	_____
SCI104 – Botany w/lab.....	4 hrs	_____
SCI105 – Microbiology w/lab.....	5 hrs	_____
SCI106 – Conservation Biology w/lab.....	4 hrs	_____
SCI107 – Marine Biology w/lab.....	5 hrs	_____
SCI108 – Ecology	4 hrs	_____
SCI110 – Principles of Geology w/lab.....	4 hrs	_____
SCI111 – Gen. College Physics I w/lab.....	5 hrs	_____
SCI112 – Gen. College Physics II w/Lab.....	5 hrs	_____
SCI120 – General Chemistry w/lab.....	5hrs	_____
SCI121 – Gen Inorganic Chemistry w/lab... 5 hrs	5 hrs	_____
SCI122 – Inorg Chem/Qual Analysis w/lab.. 5 hrs	5 hrs	_____
SCI201 – Human Biology w/lab.....	4 hrs	_____
SCI202 – Human Physiology w/lab.....	4 hrs	_____
SCI203 – Anatomy & Physiology w/lab.....	5 hrs	_____
SCI204 – Nutrition.....	3 hrs	_____
SCI206 – Field Natural History w/lab.....	4 hrs	_____
SCI208 – Genetics.....	3 hrs	_____
SCI209 – Anatomy w/lab.....	5 hrs	_____
SCI210 – Physiology w/lab.....	5 hrs	_____
SCI211 – Engineering Physics I w/lab.....	5 hrs	_____
SCI212 – Engineering Physics II w/lab.....	5 hrs	_____
SCI221 – Organic Chemistry w/lab.....	5 hrs	_____

SCI231 – Invertebrate Zoology w/lab.....	5 hrs
SCI232 – Vertebrate Zoology w/lab.....	5 hrs
SCI233 – Marine Biology w/lab.....	5 hrs
MRT101 – Medical Terminology I.....	3 hrs
MRT102 – Medical Terminology II.....	3 hrs

HIST/GOV'T/SOCSCI 9 HRS

**HST111 – US History through 1865.....	3 hrs
**HST112 – US History since 1865.....	3 hrs
HST209 – Early World Civilizations.....	3 hrs
HST210 – Modern World Civilizations.....	3 hrs
HST211 – American Military History.....	3 hrs
**PS101 – American Government.....	3 hrs
PS102 – State and Local Government.....	3 hrs
PS202 – International Relations.....	3 hrs
BS101 – General Psychology.....	3 hrs
BS102 – General Sociology.....	3 hrs
BS103 – Social Problems.....	3 hrs
BS104 – Women’s Studies.....	3 hrs
BS201 – Psych of Personal Adjustment.....	3 hrs
BS202 – Child Development.....	3 hrs
BS203 – Developmental Psychology.....	3 hrs
BS204 – Child Psychology.....	3 hrs
BS205 – Marriage and Family Living.....	3 hrs
BS206 – Human Growth & Develop.....	3 hrs
BS207 – Abnormal Psychology.....	3 hrs
BUS203 – Micro Economics.....	3 hrs
BUS204 – Macro Economics.....	3 hrs
GEG101 – Geography.....	3 hrs

COMPUTER INFORMATION SYSTEMS 3 HRS

CS101 – Intro to Computers.....	3 hrs
CS102 – Applied Comp Program w/lab.....	3 hrs
CS103 – Computer Methods.....	3 hrs
CS104 – Intro to Pascal w/lab.....	3 hrs
CS105 – Comp Acct’g Applic.....	3 hrs
CS106 – Data Base Management w/lab.....	3 hrs
*CS108 – Principles of Computers.....	3 hrs
CS202 – Visual Basic Programming.....	3 hrs
CS205 – Internet Appl & Utilities.....	3 hrs
CS209 – Advanced Computer Course.....	3 hrs
CS210 – JavaScript.....	3 hrs
CS211 – Using Internet Communication....	3 hrs

MILITARY SCIENCE AS REQUIRED

MS101 – Leadership & Personal Dev.....	2 hrs
MS102 – Foundations of Leadership.....	2 hrs
MS201 – Innovative Tactical Lead.....	3 hrs
MS202 – Ldrshp in Chng Envr.....	3 hrs
MS231 – Adaptive Team Leadership.....	4 hrs
MS232 – Leadership Under Fire.....	4 hrs
MS241 – Develop Adaptive Ldrs.....	4 hrs
MS242 – Ldrshp in a Complex World.....	4 hrs
MS235 – Leader’s Training Course.....	4 hrs
MS245 – Leader Dev Assmnt Course.....	4 hrs
MSLAB – MS Lab – I, II, III, IV.....	0 hrs

ELECTIVES 23 HRS

BS100 – College Survival Skills.....	3 hrs
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BS105 – Stress Management.....	1 hrs
PE111 – Lifesaving.....	1 hrs
PE112 – Water Safety Instructors.....	2 hrs
PE113 – First Aid/Safety/CPR.....	1 hrs
PE114 – Fitness/Activity-Sport.....	1 hrs
PE115 – Recreational Sports.....	1 hrs
PE116 – Handball.....	1 hrs
PE117 – Racquetball.....	1 hrs
PE118 – Aerobic Conditioning.....	1 hrs
PE120 – Lifetime Fitness.....	3 hrs
PE121 – Badminton.....	1 hrs
PE122 – Beginning Golf.....	1 hrs
PE123 – Beginning Tennis.....	1 hrs
PE124 – Volleyball.....	1 hrs
PE125 – Basketball.....	1 hrs
PE211 – Weight Training.....	1 hrs
PE212 – Weight Control.....	1 hrs
PE213 – Perf & Teach Weight Control....	1 hrs
PE214 – Human Anatomy.....	3 hrs
PE215 – Fdn of Exercise Physiology.....	3 hrs
PE216 – Beginning Scuba.....	2 hrs
PE217 – Found of Athletic Training.....	3 hrs
BUS101 – Intro to Business.....	3 hrs
BUS102 – Human Relations in Orgn.....	3 hrs
BUS105 – Personal Finance.....	3 hrs
BUS106 – Business Communications.....	3 hrs
BUS107 – College Keyboarding.....	3 hrs
BUS109 – Business Math.....	3 hrs
BUS110 – Intro to Legal Principles.....	3 hrs
BUS115 – Legal Research.....	3 hrs
BUS120 – Prof Ethics/Law Office Proc....	3 hrs
BUS125 – Civil Procedure.....	3 hrs
BUS130 – Contracts.....	3 hrs
BUS140 – Crim Law in Paralegal Studies..	3 hrs
BUS150 – Torts.....	3 hrs
BUS201 – Elem Accounting I.....	3 hrs
BUS202 – Elem Accounting II.....	3 hrs
BUS211 - Legal Envr Of Business.....	3 hrs
BUS213 – Statistics for Business.....	3 hrs
BUS215 – Marketing.....	3 hrs
BUS217 – Principles of Financial Mgmt...	3 hrs
BUS218 – Managerial Accounting.....	3 hrs
BUS220 – Legal Research & Writing.....	3 hrs
BUS225 – Adv. Legal Research & Wrtg....	3 hrs
BUS230 – Wills.....	3 hrs
BUS235 – Family Law.....	3 hrs
BUS240 – Real Estate.....	3 hrs
BUS250 – Paralegal Internship.....	3 hrs
BUS299 – Business Internship.....	3 hrs
CJ101 – Criminal Justice System.....	3 hrs
CJ102 – Police Organization & Mgmt.....	3 hrs
CJ103 – Principles of Investigation.....	3 hrs
CJ105 – Traffic Control/Accident.....	3 hrs
CJ107 – Juvenile Delinquency/System.....	3 hrs
CJ150 – Criminal Justice Rpt Writing.....	3 hrs
CJ201 – Criminal Law.....	3 hrs
CJ202 – Func Criminal Justice System.....	3 hrs
CJ203 – Corrections.....	3 hrs
HS101 – Princ of Homeland Security.....	3hrs

HS102 – Princ. of Crisis & Disaster Mgt... 3 hrs _____
 HS103 – Roots of Terrorism..... 3 hrs _____
 HS104 – Domestic Terrorism..... 3 hrs _____
 HS201 – Homeland Security Intelligence... 3 hrs _____
 HS202 – Principles of Security Mgt..... 3 hrs _____
 HS203 – Natural Disaster Planning..... 3 hrs _____
 PL101 – The Professional Paralegal..... 3 hrs _____
 PL102 – Paralegal Ethics..... 3 hrs _____

TRANSFER CREDITS

MSL216 – USA/USMC Military Credit.... 4 hrs _____
 MSL217 – USAF Military Credit..... 4 hrs _____
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 _____ ___ hrs _____
 _____ ___ hrs _____

* **Required for completion of AA Degree**
 ** **Select one to meet State/Federal Constitution Requirements**

ASSOCIATE OF SCIENCE REQUIREMENTS

REQUIREMENTS:

ENGLISH	9 HRS	_____
HUMANITIES/FINE ARTS	6 HRS	_____
MATH (BASIC SKILLS)	3 HRS	_____
MATH/SCIENCE	20 HRS	_____
HIST/GOV'T/SOCSCI	6 HRS	_____
TECHNOLOGY	3 HRS	_____
REQUIREMENTS	(47 HRS)	_____
ELECTIVES	(17 HRS)	_____

ENGLISH 9 HRS

ENG100 – English Review.....	3 hrs	_____
*ENG101 – Eng Comp & Rhet I.....	3 hrs	_____
*ENG102 – Eng Comp & Rhet II.....	3 hrs	_____
ENG103 – Journalism.....	3 hrs	_____
*ENG105 – Public Speaking.....	3 hrs	_____
ENG106– Advanced Public Speaking.....	3 hrs	_____
ENG201 – English Life & Lit I.....	3 hrs	_____
ENG202 – English Life & Lit II.....	3 hrs	_____
ENG211 – World Masterpieces I.....	3 hrs	_____
ENG212 – World Masterpieces II.....	3 hrs	_____
ENG213 – American Masterpieces I.....	3 hrs	_____
ENG214 – American Masterpieces II.....	3 hrs	_____

HUMANITIES/FINE ARTS 6 HRS

ART102 – Music Appreciation.....	3 hrs	_____
ART104 – Music Fundamentals.....	3 hrs	_____
ART111 – Band I.....	3 hrs	_____
ART112 – Band II.....	3 hrs	_____
ART113 – Band III.....	3 hrs	_____
ART114 – Band IV.....	3 hrs	_____
ART211 – Chorus I.....	3 hrs	_____
ART212 – Chorus II.....	3 hrs	_____
LA101 – Elementary Spanish I.....	3 hrs	_____
LA102 – Elementary Spanish II.....	3 hrs	_____
LA103 – Elementary Spanish III.....	3 hrs	_____
LA111 – Elementary German I.....	3 hrs	_____
LA112 – Elementary German II.....	3 hrs	_____
LA121 – Elementary French I.....	3 hrs	_____
LA122 – Elementary French II.....	3 hrs	_____
LA131 – Elementary Russian I.....	5 hrs	_____
LA132 – Elementary Russian II.....	5 hrs	_____
LA141 – Elementary Farsi (Persian) I.....	5 hrs	_____
LA142 – Elementary Farsi (Persian) II.....	5 hrs	_____
LA150 – Elementary Arabic I.....	5 hrs	_____
LA151 – Elementary Arabic II.....	5 hrs	_____
LA201 – Intermediate Spanish I.....	3 hrs	_____
LA202 – Intermediate Spanish II.....	3 hrs	_____
LA211 – Intermediate German I.....	3 hrs	_____
LA212 – Intermediate German II.....	3 hrs	_____
LA231 – Intermediate Russian I.....	3 hrs	_____
LA232 – Intermediate Russian II.....	3 hrs	_____

ART101 – Art Appreciation.....	3 hrs	_____
ART103 – Theatre Studies.....	3 hrs	_____
ART201 – Photography I.....	3 hrs	_____
ART202 – Photography II.....	3 hrs	_____
ART203 – Basics in Painting.....	3 hrs	_____
ART205 – Fundamentals of Drawing.....	3 hrs	_____
ART206 – Ceramics.....	3 hrs	_____
PHL101 – Philosophy.....	3 hrs	_____
PHL111 – Ethics.....	3 hrs	_____
PHL211 – Logic.....	3 hrs	_____
REL111 – Religious Studies.....	3 hrs	_____
REL112 – Bible as Literature.....	3 hrs	_____
REL113 – World Religions.....	3 hrs	_____

MATH (Basic Skills) 3 HRS

MA100 – Intro to Algebra.....	3 hrs	_____
MA101 – Intermediate Algebra.....	3 hrs	_____
*MA111 – College Algebra.....	3 hrs	_____

MATH/SCIENCE 20 HRS

CHOOSE AT LEAST ONE COURSE FROM BELOW:

MA112 – Trigonometry.....	3 hrs	_____
MA113 – Algebra & Trigonometry.....	5 hrs	_____
MA114 – Calc for Business & Econ.....	3 hrs	_____
MA121 – Analytic Geom & Calc I.....	5 hrs	_____
MA211 – Engineering Physics I w/Lab.....	5 hrs	_____
MA212 – Engineering Physics II w/Lab.....	5 hrs	_____
MA213 – Statistics.....	3 hrs	_____
MA221 – Analytic Geom & Calc II.....	5 hrs	_____
MA222 – Analytic Geom & Calc III.....	5 hrs	_____

CHOOSE AT LEAST ONE COURSE FROM BELOW:

SCI100 – Biological Science w/lab.....	4 hrs	_____
SCI101 – Physical Science w/lab.....	5 hrs	_____
SCI110 – Principles of Geology w/lab.....	4 hrs	_____
SCI201 – Human Biology w/lab.....	4 hrs	_____
SCI202 – Human Physiology w/lab.....	4 hrs	_____
SCI203 – Anatomy & Physiology w/lab.....	5 hrs	_____
SCI204 – Nutrition.....	3 hrs	_____
SCI208 – Genetics.....	3 hrs	_____
SCI209 – Anatomy w/lab.....	5 hrs	_____
SCI210 – Physiology w/lab.....	5 hrs	_____
MRT101 – Medical Terminology I.....	3 hrs	_____
MRT102 – Medical Terminology II.....	3 hrs	_____
SCI231 – Invertebrate Zoology w/lab.....	5 hrs	_____
SCI232 – Vertebrate Zoology w/lab.....	5 hrs	_____

CHOOSE AT LEAST ONE COURSE FROM BELOW:

SCI102 – Zoology w/lab.....	4 hrs	_____
SCI104 – Botany w/lab.....	4 hrs	_____
SCI105 – Microbiology w/lab.....	5 hrs	_____
SCI106 – Conservation Biology w/lab.....	4 hrs	_____
SCI107 – Marine Biology w/lab.....	5 hrs	_____
SCI108 – Ecology.....	4 hrs	_____
SCI206 – Field Natural History w/lab.....	4 hrs	_____

CHOOSE AT LEAST ONE COURSE FROM BELOW:

SCI103 – Astronomy w/lab.....	4 hrs	_____
SCI111 – Gen. College Physics I w/lab.....	5 hrs	_____
SCI112 – Gen. College Physics II w/Lab.....	5 hrs	_____
SCI120 – General Chemistry I w/lab.....	5hrs	_____
SCI121 – Gen Chemistry II w/lab.....	5 hrs	_____
SCI211 – Engineering Physics I w/lab.....	5 hrs	_____
SCI212 – Engineering Physics II w/lab.....	5 hrs	_____
SCI221 – Organic Chemistry w/lab.....	5 hrs	_____

HIST/GOV'T/SOCSCI 6 HRS

**HST111 – US History through 1865.....	3 hrs	_____
**HST112 – US History since 1865.....	3 hrs	_____
HST209 – Early World Civilizations.....	3 hrs	_____
HST210 – Modern World Civilizations.....	3 hrs	_____
HST211 – American Military History.....	3 hrs	_____
**PS101 – American Government.....	3 hrs	_____
PS102 – State and Local Government.....	3 hrs	_____
PS202 – International Relations.....	3 hrs	_____
BS101 – General Psychology.....	3 hrs	_____
BS102 – General Sociology.....	3 hrs	_____
BS103 – Social Problems.....	3 hrs	_____
BS104 – Women’s Studies.....	3 hrs	_____
BS201 – Psych of Personal Adjustment.....	3 hrs	_____
BS202 – Child Development.....	3 hrs	_____
BS203 – Developmental Psychology.....	3 hrs	_____
BS204 – Child Psychology.....	3 hrs	_____
BS205 – Marriage and Family Living.....	3 hrs	_____
BS206 – Human Growth & Develop.....	3 hrs	_____
BS207 – Abnormal Psychology.....	3 hrs	_____
BUS203 – Micro Economics.....	3 hrs	_____
BUS204 – Macro Economics.....	3 hrs	_____
GEG101 – Geography.....	3 hrs	_____

COMPUTER INFORMATION SYSTEMS 3 HRS

CS101 – Intro to Computers.....	3 hrs	_____
CS102 – Applied Comp Program w/lab.....	3 hrs	_____
CS103 – Computer Methods.....	3 hrs	_____
CS104 – Intro to Pascal w/lab.....	3 hrs	_____
CS105 – Comp Acct’g Applic.....	3 hrs	_____
CS106 – Data Base Management w/lab.....	3 hrs	_____
*CS108 – Principles of Computers.....	3 hrs	_____
CS202 – Visual Basic Programming.....	3 hrs	_____
CS205 – Internet Appl & Utilities.....	3 hrs	_____
CS209 – Advanced Computer Course.....	3 hrs	_____
CS210 – JavaScript.....	3 hrs	_____
CS211 – Using Internet Communication....	3 hrs	_____

MILITARY SCIENCE AS REQUIRED

MS101 – Leadership & Personal Dev.....	2 hrs	_____
MS102 – Foundations of Leadership.....	2 hrs	_____
MS201 – Innovative Tactical Lead.....	3 hrs	_____
MS202 – Ldrshp in Chng Envr.....	3 hrs	_____
MS231 – Adaptive Team Leadership.....	4 hrs	_____
MS232 – Leadership Under Fire.....	4 hrs	_____
MS241 – Develop Adaptive Ldrs.....	4 hrs	_____
MS242 – Ldrshp in a Complex World.....	4 hrs	_____
MS235 – Leader’s Training Course.....	4 hrs	_____
MS245 – Leader Dev Assmnt Course.....	4 hrs	_____
MSLAB – MS Lab – I, II, III, IV.....	0 hrs	_____

ELECTIVES AS REQUIRED

BS100 – College Survival Skills.....	3 hrs	_____
BS105 – Stress Management.....	1 hrs	_____
PE111 – Lifesaving.....	1 hrs	_____
PE112 – Water Safety Instructors.....	2 hrs	_____
PE113 – First Aid/Safety/CPR.....	1 hrs	_____
PE114 – Fitness/Activity-Sport.....	1 hrs	_____
PE115 – Recreational Sports.....	1 hrs	_____
PE116 – Handball.....	1 hrs	_____
PE117 – Racquetball.....	1 hrs	_____
PE118 – Aerobic Conditioning.....	1 hrs	_____
PE120 – Lifetime Fitness.....	3 hrs	_____
PE121 – Badminton.....	1 hrs	_____
PE122 – Beginning Golf.....	1 hrs	_____
PE123 – Beginning Tennis.....	1 hrs	_____
PE124 – Volleyball.....	1 hrs	_____
PE125 – Basketball.....	1 hrs	_____
PE211 – Weight Training.....	1 hrs	_____
PE212 – Weight Control.....	1 hrs	_____
PE213 – Perf & Teach Weight Control.....	1 hrs	_____
PE214 – Human Anatomy.....	3 hrs	_____
PE215 – Fdn of Exercise Physiology.....	3 hrs	_____
PE216 – Beginning Scuba.....	2 hrs	_____
PE217 – Found of Athletic Training.....	3 hrs	_____
BUS101 – Intro to Business.....	3 hrs	_____
BUS102 – Human Relations in Orgn.....	3 hrs	_____
BUS105 – Personal Finance.....	3 hrs	_____
BUS106 – Business Communications.....	3 hrs	_____
BUS107 – College Keyboarding.....	3 hrs	_____
BUS109 – Business Math.....	3 hrs	_____
BUS110 – Intro to Legal Principles.....	3 hrs	_____
BUS115 – Legal Research.....	3 hrs	_____
BUS120 – Prof Ethics/Law Office Proc.....	3 hrs	_____
BUS125 – Civil Procedure.....	3 hrs	_____
BUS130 – Contracts.....	3 hrs	_____
BUS140 – Crim Law in Paralegal Studies..	3 hrs	_____
BUS150 – Torts.....	3 hrs	_____
BUS201 – Elem Accounting I.....	3 hrs	_____
BUS202 – Elem Accounting II.....	3 hrs	_____
BUS211 - Legal Envr Of Business.....	3 hrs	_____
BUS213 – Statistics for Business.....	3 hrs	_____
BUS215 – Marketing.....	3 hrs	_____
BUS217 – Principles of Financial Mgmt...	3 hrs	_____
BUS218 – Managerial Accounting.....	3 hrs	_____
BUS220 – Legal Research & Writing.....	3 hrs	_____
BUS225 – Adv. Legal Research & Wrtg.....	3 hrs	_____
BUS230 – Wills.....	3 hrs	_____
BUS235 – Family Law.....	3 hrs	_____
BUS240 – Real Estate.....	3 hrs	_____
BUS250 – Paralegal Internship.....	3 hrs	_____
BUS299 – Business Internship.....	3 hrs	_____
CJ101 – Criminal Justice System.....	3 hrs	_____
CJ102 – Police Organization & Mgmt.....	3 hrs	_____
CJ103 – Principles of Investigation.....	3 hrs	_____
CJ105 – Traffic Control/Accident.....	3 hrs	_____
CJ107 – Juvenile Delinquency/System.....	3 hrs	_____
CJ150 – Criminal Justice Rpt Writing.....	3 hrs	_____
CJ201 – Criminal Law.....	3 hrs	_____
CJ202 – Func Criminal Justice System.....	3 hrs	_____

CJ203 – Corrections..... 3 hrs _____
 HS101 – Princ of Homeland Security..... 3hrs _____
 HS102 – Princ. of Crisis & Disaster Mgt... 3 hrs _____
 HS103 – Roots of Terrorism..... 3 hrs _____
 HS104 – Domestic Terrorism..... 3 hrs _____
 HS201 – Homeland Security Intelligence... 3 hrs _____
 HS202 – Principles of Security Mgt..... 3 hrs _____
 HS203 – Natural Disaster Planning..... 3 hrs _____
 PL101 – The Professional Paralegal..... 3 hrs _____
 PL102 – Paralegal Ethics..... 3 hrs _____

TRANSFER CREDITS

MSL216 – USA/USMC Military Credit..... 4 hrs _____
 MSL217 – USAF Military Credit..... 4 hrs _____
 _____..... __ hrs _____
 _____..... __ hrs _____
 _____..... __ hrs _____
 _____..... __ hrs _____

* REQUIRED for completion of AS degree.
 ** Select ONE to meet State/Federal Constitution requirement.

Description of College Courses

Behavioral Science

BS100 College Survival Skills (3)

This course is designed to assist you in continuing the process of learning how to learn. The class will focus both on concepts of how to learn as well as on applied skill development exercises. *Strongly recommended for entry-level students.*

BS101 General Psychology (3)

This course is an introduction to the history, main concepts and methods of psychology. Students will also learn to critically analyze general psychological materials and to identify common psychological problems.

BS102 General Sociology (3)

This course is an introduction to the history, main concepts and methods of sociology. Some emphasis is directed toward current social issues and the ability of students to analyze general sociological materials.

BS103 Social Problems (3)

The sociology of social problems; background and analysis of selected social problems such as race, crime, population, civil rights, poverty; social changes in light of social controls and democratic values.

BS104 Women's Studies (3)

An introductory study to the feminist perspective. Includes an overview of the history of women and the psychology and sociology of women. Taught with a humanistic approach.

BS105 Stress Management (1)

The positive and negative impact of stress on human physiology, relationships and performance. Techniques such as deep relaxation, time management and reframing will be taught and practiced to assist students in developing a personal strategy for responding positively to the stress in life.

BS201 Psychology of Personal Adjustment (3)

An examination of the major personality theories, the effects of social variables on the individual, uses of psychological tests, and the investigation of the causes, development, symptoms and treatment of abnormal behavior. Study includes a critical comparison of psychological systems including behaviorism, Gestalt psychology, psychoanalytic theory and contemporary self-theory.

Behavioral Science, continued

BS202 Child Development (3)

This is an introductory course in developmental psychology ranging from conception to adolescence. Emphasis of this course is based upon sexual, cognitive and emotional development. Theories discussed in detail pertain to Freudian Psychosexual Theory, Piaget and Cognitive Development and to Erickson's Psychosocial Theory.

BS203 Developmental Psychology (3)

This is an introduction to Developmental Psychology covering adjustments, identity, stress, socialization, group dynamics, interpersonal adjustment and maladjustment. The emphasis on this class is the prenatal development through old age. **PREREQUISITE: BS101**

BS204 Child Psychology (3)

Interaction of biological and environmental factors in the growth of the child from conception to maturity. **PREREQUISITE: BS101**

BS205 Marriage & Family Living (3)

The family, society, and the individual; background to American family patterns; premarital behavior; marriage and variations in family forms; problems of families today. **PREREQUISITE: BS101**

BS206 Human Growth and Development (3)

The study of human development across the normal and abnormal life span. Emphasis on the stages of life covering conception, development, and death with its normal and abnormal problems. Human concern with solutions, research theories, advanced technology, theories old and new and descriptive terminology are all applied to this study of human development. **PREREQUISITE: BS101**

BS207 Abnormal Psychology & Modern Life (3)

An overall picture of the general causes of abnormal behavior, with an emphasis on definitions, myth, scope and sequence overview. Some time will be spent on major syndromes and therapy. **PREREQUISITE: BS101**

Business

BUS101 Introduction to Business (3)

Upon successful completion of this course, the student should be able to explain the basic principles of the American free enterprise economic system. In addition, the student should be able to explain the fundamentals of starting a business and the interrelationship among the four functional areas: accounting, finance, management and marketing.

Business, continued

BUS102 Human Relations (3)

Upon successful completion of this course, the student should be able to evaluate the impact of human relations as it relates to the social system, technical system and administrative system of their work environment. In addition, the student should be able to analyze these systems and their effects on individual group and organizational performance.

BUS105 Personal Finance (3)

Personal Finance is a course designed to help students with the many financial decisions and judgments which the average individual and family must make during a lifetime. Topics include budgeting, credit, insurance, investments, taxes, buying a home and many other areas.

BUS106 Business Communications (3)

Upon successful completion of this course, the student should be able to explain the role of communication in the business environment and identify the most effective methods for creating, sending and receiving messages. In addition, the student should be able to use effective oral and written communication skills in business; write and evaluate business documents, including letters, memos and reports using the principles of correct style, organization and format; and prepare an effective oral business presentation.

BUS107 College Keyboarding (3)

To introduce the student to the computer keyboard and to attain a typing speed of 35wpm.

BUS109 Business Math (3)

The topics covered are simple and compound interest, discounts annuities, amortization, and sinking funds, bonds, depreciation and insurance. **PREREQUISITE: MA100 or above.**

BUS110 Introduction to Legal Principles (3)

Designed to give students a basic understanding of the various functions of the paralegal/legal assistant's role in the American legal system. Builds a foundation of basic knowledge and skills necessary for someone seeking a career in the paralegal/legal assistant field.

BUS115 Legal Research (3)

This workshop-style course is designed to hone the student's writing and thinking skills by concentrating on basic principles of legal writing and analysis. Students learn to use powerful research tools, including online facilities from Westlaw and traditional book-based methods. Students prepare a variety of legal documents and research various issues.

Business, continued

BUS120 Professional Ethics and Law Office Procedures (3)

This course is designed for persons who will work in a law office management position, either as an employee of a law firm, or as an entrepreneur operating his/her own law/paralegal office. This course also discusses personnel relations, and how the legal team functions together. This course examines legal fees, timekeeping, billing and financial management, managing clients' trust fund accounts, and reviews law office systems and technology. Finally, the course considers the important subjects of record keeping, and law library organization and management.

BUS125 Civil Procedure (3)

The course is designed to follow the procedures of a civil lawsuit from the first client contact through discovery, settlement negotiations or trial, and appeal. Course work will focus on the role and responsibilities of the paralegal in preparing court documents, investigation, client and witness contact, discovery, and trial assistantship. Federal and state rules governing the conduct of a civil lawsuit will be examined in detail.

BUS130 Contracts (3)

This course presents a comprehensive, well-organized, functional approach to the law of contracts. Students will learn to analyze agreements and how to determine whether or not a contract has been formed, what law applies, whether the contract is enforceable, whether or not a party has breached, and, if so, what remedies are available to the aggrieved party. The approach is very practical, and prepares the student for contract work in the legal, business, or government environment.

BUS140 Criminal Law in Paralegal Studies (3)

The student is introduced to the basic concepts of criminal law, and is presented with thought-provoking examples from the channels of the criminal justice system. Crimes against the person, crimes against property, legal defenses, as well as the theory and history of criminal justice are presented together with a practical skills exploration of the criminal justice process.

BUS150 Torts (3)

One of the most important fields of paralegal employment, the law of torts and negligence is examined in detail. The student is educated to understand the basic theory of tort law, and the process by which negligence cases are developed in preparation for settlement or trial. Subjects covered include evaluating liability, injuries and damages.

Business, continued

BUS201 Elementary Accounting I (3)

Practice and application of accounting principles with emphasis upon the accounting cycle. Accounting procedures involved in determination and valuation of assets, liabilities, owner's equity, revenue, expenses, inventory and depreciation are detailed.

BUS202 Elementary Accounting II (3)

Practice and application of accounting principles involved in partnerships and corporations. Accounting procedures and principles of job cost and managerial accounting are detailed. **PREREQUISITE: BUS201**

BUS203 Micro Economics (3)

The course content deals primarily with firm analysis, principles of demand, supply, elasticity and price determinations. Functions of the individual enterprise and households are detailed.

BUS204 Macro Economics (3)

The course content deals primarily with the economic system as a whole and the ways in which its functioning is affected by the behavior of the interdependent sectors of which it is composed.

BUS211 Legal Environment of Business (3)

A number of areas of law including contracts, agency sales, negotiable instruments, partnerships, corporations, property insurance and bankruptcy are covered. This course is intended to give a practical knowledge of the law as it affects small business.

BUS213 Statistics for Business (3)

This course covers the collection and presentation of data, data analysis, confidence intervals, correlation coefficient, Chi-squared test, statistical reports, time series, index numbers and dispersion. **PREREQUISITE: MA111 or above.**

BUS215 Marketing (3)

Upon successful completion of this course, the student should be able to explain the concepts of production, consumption and distribution in relation to a free enterprise economy; list the basic channels of distribution available to the manufacturer of consumer and industrial products; explain and compare the distribution functions of the manufacturer, wholesaler and retailer; and state the procedures necessary to develop a total marketing plan for a given product, service or product line. In addition, the student should be able to discuss the fundamental principles of consumer behavior in the buying process and apply those principles to target market strategies.

Business, continued

BUS217 Principles of Financial Management (3)

An introduction to the concepts, methods, and procedures utilized in financial accounting with emphasis on transaction analysis, accounting records, financial statement preparation and financial statement analysis.

BUS218 Principles of Managerial Accounting (3)

Development and use of cost and managerial accounting information for management control and decision making.

PREREQUISITE: BUS217

BUS220 Legal Research and Writing (3)

Instruction in the basic techniques and skills necessary to conduct legal research and to summarize the results of that research in appropriate written form. Students learn to use legal research tools and develop legal reasoning skills to craft written documents such as legal correspondence, legal memoranda, and legal briefs. Practical skills are developed through sequential written assignments that build analytical, research, and writing skills throughout the semester. **PREREQUISITE: BUS115**

BUS225 Advanced Legal Research and Writing (3)

Advanced techniques and skills in legal research and legal writing. Focus on analytical skills in the examination of case law and precedent to prepare a trial court memorandum of law and portions of an appellate court brief. **PREREQUISITE: BUS220**

BUS230 Wills (3)

This course provides a theoretical and practical understanding of the laws of inheritance and estate planning. Students prepare a will and trust, and learn the procedure for probate. Estate planning, the role of the probate courts, and basic inheritance issues are explored and discussed.

BUS235 Family Law (3)

This course acquaints the student with the basic areas of a family law practice: marriage, divorce, property rights, custody of children, separation agreements, and maintenance.

BUS240 Real Estate (3)

This course explores the theory and history of real estate transactions. Students gain a working knowledge of contracts, deeds, mortgages and title reports. The student has the opportunity to handle a theoretical real estate transaction from beginning to end.

BUS250 Paralegal Internship I (3)

BUS299 Business Internship (3)

Computer Information Systems

CS102 Applied Computer Programming (3)

An introduction to computer programming using Visual Basic as the foundation for programming instruction. Additional programming languages, to include internet languages, will be introduced. Current and future trends in software development will be studied. An additional fee is associated with this course.

CS103 Computer Methods (3)

This course is an introduction to computer fundamentals, concept application and theory. Topics covered will include language generations, algorithms, networking, multimedia, database, security, ethics and operating systems. Learning objectives for this course are to be able to differentiate between programming languages, understand hardware and software compatibility issues, grasp background processes that allow computers to function, understand relational database organization, and how operating systems control the overall framework of a system. An additional fee is associated with this course.

CS104 Introduction to "PASCAL" (3)

This course covers a general introduction to programming in the "Pascal" language. An additional fee is associated with this course.

CS105 Computer Accounting Applications (3)

Upon successful completion of this course, the student will be able to use the microcomputer to create a chart of accounts receivable and payable subsidiary ledgers, transaction journals, general ledgers, financial statements, reports and forecasts.

CS106 Database Management (3)

This course covers advanced concepts of database management. Emphasis is placed on looking at different data structures and designing applications to manipulate multiple related databases simultaneously. The student will learn to write stand-alone applications using the dbase language. An additional fee is associated with this course.

CS108 Principles of Computers & Computer Use (3)

Introduction to computer literacy and applications: history and future of computing; structure of computers, telecommunications, computer ethics, computer crime, and development of programming languages and operating systems. Applications: Windows, internet browser/HTML, word processing, spreadsheets, database management, and presentation software. An additional fee is associated with this course. (Replaces CS101)

Computer Inf. Systems, continued

CS202 Visual Basic Programming (3)

A continuation of CS102. The course offers more extensive work in the Visual Basic programming environment. Students will identify and implement the controls and objects available for creating Windows applications. Students will create forms, draw the controls for each form, design menu bars, set form and control properties, write event and general procedures, and test and debug their applications. **PREREQUISITE: CS102**

CS205 Internet Applications and Utilities (3)

This course will introduce the student to the commands and techniques required to effectively access the resources of the Internet. Windows applications will be used to locate, retrieve and disseminate essential information. This course will cover the techniques required to create and publish World Wide Web pages using HTML.

CS209 Advanced Computer Course (3)

CS210 JavaScript (3)

This course will cover the commands and techniques available to add functionality to Web pages using JavaScript into an HTML file, creating pop-up windows, adding scrolling messages, validating forms and enhancing the use of image and form objects. Additionally, the student will build menus and navigational structures, and will learn techniques for cookie manipulation and storage. Using JavaScript, the student will build a complete e-Commerce site that will support online ordering payment.

CS211 Using Internet Communications (3)

This course will cover the various facets of social networking, ranging from web logs and new aggregators to professional link sharing sites and item swapping. The purpose of this course is to prepare the student getting ready to enter the workplace how to use these tools as a stepping stone for their careers. An additional fee is associated with this course.

Criminal Justice

CJ101 The Criminal Justice System (3)

Philosophical and historical background of criminal justice. Principles underlying social organization and control devices with emphasis upon legal systems.

CJ102 Police Organization & Management (3)

Role of police in administration of criminal justice and crime control.

Criminal Justice, continued

CJ103 Principles of Investigation (3)

Principles are examined concerning the investigation of crimes throughout history, but focusing upon contemporary techniques. The importance of accuracy of information, crime scene processing, interrogation, instrumentation and the development of a case for trial are discussed. Techniques of investigation of specific types of crimes are presented.

CJ105 Traffic Control and Accident Investigation (3)

An introduction to fundamentals of traffic law, traffic law enforcement and the techniques and methodology of accident investigation. Accident prevention and fundamentals of safety education are reviewed.

CJ107 Juvenile Delinquency and the Criminal Justice System (3)

A review of the impact upon society by the juvenile offender is discussed in terms of the police, the court system and the correctional system. Emphasis is placed upon causation, legal processes and the interaction between the various components within the juvenile justice system.

CJ150 Criminal Justice Report Writing (3)

Principles of effective report writing are implemented through the use of actual report formats currently utilized by law enforcement, court, and correctional agencies. Basic written communication skills and specific content coverage are stressed.

CJ201 Criminal Law (3)

Origin, development and classification of the substantive criminal law, defense and criminal responsibility.

CJ202 Functions of the Criminal Justice System (3)

A view of the system components involved in the whole criminal justice system with emphasis on the system as being a fundamental part of the social, political, and economic environment, including study of the historical continuity.

CJ203 Corrections: Concepts, Systems and Issues (3)

This course provides an overview of models of punishment and rehabilitation from the perspectives of the humanities and social sciences, including a review of correctional practices and procedures, institutional treatment, probation, parole, prison conditions, programs for juveniles and comparative systems. Correction administration topics are covered including personnel, legal operating practices, overcrowding and planning.

English

ENG100 English Review (3)

A course designed to remedy significant writing problems as identified by standardized test scores in English and by the grades on high school transcripts. The student will learn general and practical composition techniques needed for the successful completion of college requirements. Successful completion of this course does not count toward satisfying English requirements, but is mandatory for those students whose high school transcripts or standardized tests indicate a need for additional remedial English skills.

ENG101 English Composition and Rhetoric I (3)

A study of the fundamentals of formal writing with an emphasis on short papers. Development of skills in analysis, organization, and expression. Grammatical structure is stressed.

ENG102 English Composition and Rhetoric II (3)

Development of skills in library research with writing research papers. Extensive study of proper documentation, formatting, and organization of research papers. Students will do research, develop a working bibliography, and learn how to take proper notes and evaluate relevant sources. Submission of an extensive research paper is required. **PREREQUISITE: ENG101**

ENG103 Journalism (3)

Descriptive writing for press releases, newspaper articles, and development of school publications. The study of characteristics for journalistic writings.

ENG105 Public Speaking (3)

A study of the principles and practices of successful oral communication to an audience. Extensive study of the speech-making process to include audience analysis, development of the speech structure, traditional patterns of organization, types of public speaking, and modes of communication. Students will be given practice exercises in speech delivery and participation in critical evaluation of their own and others' speeches, exercise in voice improvement, development and use of visual aids.

ENG106 Advanced Public Speaking (3)

A continuation of ENG105. Advanced speaking experiences place special emphasis upon style and presentation. Various techniques of preparation and delivery are studied. **PREREQUISITE: ENG105**

ENG201 English Life & Literature I (3)

A general survey course in English literature from Beowulf to the beginning of Romanticism. Special emphasis is placed upon the reading and analysis of English masterpieces. Three critical literary evaluation papers of 3 – 5 pages each will be required.

PREREQUISITE: ENG101 and ENG102

English, continued

ENG202 English Life & Literature II (3)

A continuation of ENG201. English literature from the beginning of Romanticism until the present day. Three critical literary evaluation papers of 3 – 5 pages each will be required. **PREREQUISITE: ENG101 and ENG102**

ENG211 World Masterpieces I (3)

A survey of literary masterpieces of the world using representative works from each period. A study is made of literature from Greek and Roman Classicism, the Middle Ages, and the Renaissance. Three critical literary evaluation papers of 3 – 5 pages each will be required. **PREREQUISITE: ENG101 and ENG102**

ENG212 World Masterpieces II (3)

A continuation of ENG211. Study of Neoclassicism, Romanticism, and the rise of Realism and Naturalism. Stresses developmental trends in modern drama, the short story, and the novel. Three critical literary evaluation papers of 3 – 5 pages each will be required. **PREREQUISITE: ENG101 and ENG102**

ENG213 American Masterpieces I (3)

A general survey course in American literature from the Colonial Period through the Civil War. This course will involve the study of the particular American contribution to fiction, poetry, drama, and prose by such authors as Jefferson, Irving, Poe, Hawthorne, Melville, Whitman, Dickinson, and Twain. Three critical literary evaluation papers of 3 – 5 pages each will be required. **PREREQUISITE: ENG101 and ENG102**

ENG214 American Masterpieces II (3)

A continuation of ENG213. A general survey course in American literature from the post Civil War years to the present day. Emphasis will be placed upon major authors such as Crane, Frost, Bierce, Faulkner, London, Cather, Sandburg, Hemingway, O'Neill, and selected contemporary authors. Three critical literary evaluation papers of 3 – 5 pages each will be required. **PREREQUISITE: ENG101 and ENG102**

Fine Arts

ART101 Art Appreciation (3)

History of Western art stressing different cultures and styles from prehistoric through the modern era. Different techniques of art are introduced.

ART102 Music Appreciation (3)

An introductory course concerned with the elements of music and important musical masterpieces and the significant composers from medieval times to the present with reference to their social and cultural setting.

Fine Arts, continued

ART103 Theatre Studies (3)

The development of theatre from ancient Greece until the present is examined with an emphasis on the three genres of plays. The play and its parts, as well as the roles of the actor, director, and audience are covered. The elements of modern play production such as direction style and scene design are also discussed. Students will perform various oral interpretations in front of an audience.

ART104 Music Fundamentals (3)

This class will explore and gain a knowledge of the essential elements of music, of ear-training and singing at sight, for writing a melody, and for writing a 4-part harmonization. Elements of the class will include music theory, sight-singing & ear-training, and writing a melody, along with a significant harmonization project.

ART111/ART112/ART113/ART114 Band (3)

Open to all students who play a musical instrument, subject to a test of playing ability to the band director. **This course may be repeated to earn a total of 12 semester hours.**

ART201 Photography I (3)

An introductory course concerned with the history and composition of photography, the basic elements and operation of the camera. An additional fee is associated with this course.

ART202 Photography II (3)

A continuation in photography to advance the student's skill and technique. **PREREQUISITE: ART201 or consent of the instructor.** An additional fee is associated with this course.

ART203 Basics in Painting (3)

A study of the use of various paints with emphasis on composition, development and technique. Style will be taught that is consistent with the concepts taught in ART101. **PREREQUISITE: ART101 or two years of high school art or consent of the instructor.** An additional fee is associated with this course.

ART205 Fundamentals of Drawing (3)

Use of the pencil in rendering drawings of still life, architecture, scenery and portraits. All aspects of lead and colored pencil will be used.

ART206 Introduction to Ceramics (3)

A study of ceramics where the students will work with slab and coil construction as well as being introduced to the pottery wheel.

ART211/ART212 Chorus (3)

Open to all college students, subject to auditions by the choral director. **This course may be repeated to earn a total of 12 semester hours.**

Geography

GEG101 World Geography (3)

An introduction to the study of geography through a survey of the major regions of the world. Includes a general look at the principle concepts of geography with emphasis on the relationships of countries within their regions.

History

HST111 United States History Through 1865 (3)

A survey of American History including European background, colonial settlement and the growth of nationalism until the end of the Civil War. A special study will be made of the constitutions of the United States and Missouri. **MEETS MISSOURI 170.011 R.S. MO REQUIREMENTS.**

HST112 United States History Since 1865 (3)

A survey of American History from 1865 until the present time. A special study will be made of the constitutions of the United States and Missouri. **MEETS MISSOURI 170.011 R.S. MO REQUIREMENTS.**

HST209 Early World Civilizations (3)

The civilization and culture of man and his government, economic, social, religious, intellectual, and aesthetic activities from earliest times to the end of the fifteenth century.

HST210 Modern World Civilizations (3)

A survey of modern times beginning with the sixteenth century and concluding with the modern world. The widespread changes brought about by developments in commerce and industry receive special emphasis. The total effects of world wars on modern society and culture are studied in a setting of contemporary world affairs.

HST211 American Military History (3)

A survey of American military history from the colonial period to the Vietnam War. Particular emphasis is given to the analysis of leadership, doctrine and tactics, as well as political and social implications.

Homeland Security

HS101 Principles of Homeland Security (3)

This course is designed to provide students with a broad overview and understanding of the basic fundamental issues significant to Homeland Security. This course will explore contemporary problems, interpret evolving relationships between the many components of homeland security, and analyze emerging national and global trends.

Homeland Security, continued

HS102 Principles of Crisis & Disaster Management (3)

This course is designed to enable students to identify and explain the emergency management system and process. Students will recognize preparedness, response and recovery issues and will conduct an in-depth analysis of the All-Hazards Approach and various mitigation techniques. Additionally, students will become NIMS certified in the IS-230.a Fundamentals of Emergency Management FEMA training course.

HS103 Roots of Terrorism (3)

This course is designed to enable students to identify, categorize and explain the fundamental causes and ideological motivators of terrorist organizations. Students will recognize and identify specific political, religious and special interest roots associated with different terrorist groups. Students will also earn a United Nations (UN) certification by the end of the class.

HS104 Domestic Terrorism (3)

This course is designed to enable students to identify and explain the key types of domestic terrorist organizations in the United States. Right wing, left wing and special interest groups will be examined in detail and discussions will focus on the historical significance, ideologies and methods of operation for each type. Students will analyze and discuss the future outlook of domestic terrorism.

HS201 Homeland Security Intelligence (3)

This course is designed to enable students to recognize and explain how the intelligence process works within the United States. Students will be able to describe the historical aspects of intelligence, and relate those aspects to current intelligence procedures. Students will then evaluate the future need for and role of Homeland Security Intelligence. The course will develop the student's ability to identify and describe intelligence issues including the multiple means by which intelligence is gathered, analyzed, and disseminated.

HS202 Principles of Security Management (3)

This course is designed to enable students to identify and explain the key issues related to physical security in the United States. Students will relate these issues to homeland security. Physical security is a vital piece of the broader homeland security context and the course focuses on this important field. Students will identify, compare and analyze key issues related to security of airports, rail stations, businesses, military installations and other key infrastructure assets.

Homeland Security, continued

HS203 Natural Disaster Planning and Response (3)

This course is designed to enable students to identify and describe the major forms of natural disasters. Students will explain and relate how and why these events occur. Students will describe and explain the planning process and response procedures involved in mitigating natural disasters and relate those procedures to improving the effectiveness of US Homeland Security.

Languages

LA101 Elementary Spanish I (3)

Fundamentals of Spanish pronunciation, building of basic vocabulary and patterns, oral work, study of basic grammar to include the present tense. Not open to native speakers or students who have had two years of high school Spanish (without the permission of the instructor).

LA102 Elementary Spanish II (3)

Continuation of LA101, with increased grammar study. Not open to native speakers or students who have had 3 years of high school Spanish (without the permission of the instructor). **PREREQUISITE: LA101 or equivalent**

LA103 Elementary Spanish III (3)

Continuation of LA102, with increased grammar study. Not open to native speakers or students who have had 3 years of high school Spanish (without the permission of the instructor). **PREREQUISITE: LA102 or equivalent**

LA111 Elementary German I (3)

Fundamental principles of German pronunciation. Building a basic vocabulary, oral work, and reading German selections.

LA112 Elementary German II (3)

Basic conversation and composition. Continuation of fundamental grammar and reading. **PREREQUISITE: LA111 or previous knowledge of the language.**

LA121 Elementary French I (3)

The goals of this course are to speak and to understand simple (spoken) French as well as to read and write simple prose.

LA122 Elementary French II (3)

Continuation of LA121. **PREREQUISITE: LA121 or previous knowledge of the language.**

LA131 Elementary Russian I (5)

Proficiency with reading and writing the Cyrillic alphabet, pronunciation, basic conversation, fundamentals of grammar and reading the Russian language.

Languages, continued

LA132 Elementary Russian II (5)

Basic conversation and composition. Continuation of fundamental grammar and reading. **PREREQUISITE: LA131 or previous knowledge of the language.**

LA141 Elementary Farsi (Persian) I (5)

Proficiency in reading and writing the Arabic/Persian Alphabet, pronunciation, basic conversation, fundamentals of grammar and reading of the Persian Language.

LA142 Elementary Farsi (Persian) II (5)

Continuation of LA141. **PREREQUISITE: LA141 or previous knowledge of the language.**

LA150 Elementary Arabic I (5)

Proficiency in reading and writing the Arabic alphabet, pronunciation, basic conversation. Fundamentals of grammar and reading the Arabic language will be covered.

LA151 Elementary Arabic II (5)

A continuation of LA150. Higher level of expectation. **PREREQUISITE: LA150 or by departmental approval.**

LA201 Intermediate Spanish I (3)

Continuing development of use of the language at the intermediate level with more advanced grammar, readings, and conversation. **PREREQUISITE: LA103 or by departmental approval.**

LA202 Intermediate Spanish II (3)

A continuation of LA201. **PREREQUISITE: LA201 or equivalent.**

LA211 Intermediate German I (3)

Reading, conversation and vocabulary. **PREREQUISITE: LA112 or by departmental approval.**

LA212 Intermediate German II (3)

A continuation of LA211. **PREREQUISITE: LA211 or by departmental approval.**

LA231 Intermediate Russian I (3)

Development of the ability to use the language by oral drills and readings. Attention to grammar and speaking. **PREREQUISITE: LA132 or by departmental approval.**

LA232 Intermediate Russian II (3)

A continuation of LA231. Higher level of expectation. **PREREQUISITE: LA231 or by departmental approval.**

Math

MA100 Introduction to Algebra (3)

This course studies signed numbers, evaluating expressions, fundamental operations with polynomials, solving equations and factoring.

MA101 Intermediate Algebra (3)

This course covers the fundamental operations with polynomials, factoring, rational expressions, radicals, exponents, linear functions, graphing, inequalities, systems of linear equations and application problems.

MA111 College Algebra (3)

This course is a more sophisticated study of relationships and functions, rational expressions, systems of equations and graphing than Intermediate Algebra. Quadratic, exponential, and logarithmic models are presented. Matrices and determinants are also covered.

PREREQUISITE: MA101 with a grade of 'C' or better or Algebra II in high school with a grade of 'C' or better.

MA112 Trigonometry (3)

This course studies angles in degrees and radians, trigonometric and inverse trigonometric functions, identities and equations, laws of sines and cosines, graphing, multiple angle formulas, conic sections, and vectors. **PREREQUISITE: MA111**

MA113 Algebra & Trigonometry (5)

This course reviews the topics from algebra and trigonometry necessary for the study of calculus. Major topics include: linear and quadratic equations and inequalities; exponential, logarithmic, and trigonometric functions and equations; graphic; conic sections; and vectors. **PREREQUISITE: High school Algebra II and high school Trigonometry**

MA114 Calculus for Business and Economics (3)

A course designed to meet one of the mathematics requirements in business administration. Consists of a study of elementary analytic geometry, derivatives with applications in business, integration procedures with applications. **PREREQUISITE: MA111**

MA121 Analytic Geometry and Calculus I (5)

Study of limits, continuity, derivatives of polynomial and trigonometric functions and applications, definite and indefinite integrals with applications, differentiation and integration of transcendental functions.

PREREQUISITE: MA113 or equivalent

Math, continued

MA211 Engineering Physics I w/Lab (5)

This course is a calculus-based introductory physics course for pre-engineering or science majors. Emphasis is placed on development and understanding of concepts leading to problem solving through logical reasoning. Major topics include: measurement, motion kinematics and dynamics, work, conservation of energy and momentum, and rigid body rotation. LAB: Experiments designed to demonstrate and enhance physics concepts and stimulate analytical reasoning. **PREREQUISITE: Completion or current enrollment in MA221.** An additional fee is associated with this course.

MA212 Engineering Physics II w/Lab (5)

This course is a continuation of MA211 for pre-engineering or science majors. Major topics include: mechanics of fluids and thermodynamics; fundamentals of electricity and magnetism; and electromagnetic waves. LAB: Experiments designed to demonstrate and enhance physics concepts and stimulate analytical reasoning. **PREREQUISITE: MA211;** An additional fee is associated with this course.

MA213 Statistics (3)

This course covers the collection, analysis, and presentation of data. Major topics include: frequency distributions and graphs; probability and counting rules; discrete probability distributions and normal distribution; confidence intervals and sample size; and hypothesis testing. **PREREQUISITE: MA111 or equivalent or above**

MA221 Analytic Geometry and Calculus II (5)

This course includes further work in analytic geometry, study of conic sections, methods of integration, polar coordinates, parametric equations, and approximation methods, curvature, indeterminate forms, vectors and curvilinear motion. **PREREQUISITE: MA121**

MA222 Analytic Geometry and Calculus III (5)

The content of this course consists of a study of rectangular coordinates in space, special surfaces and solids, partial differentiation, differential equations, double and triple integrals and various applications taken from fields of physics, mechanics and engineering. **PREREQUISITE: MA221**

Medical Records Technology

MRT101 Medical Terminology I (3)

An introduction to medical terminology focusing on the building and understanding of anatomical and pathophysiology terms through the identification and interpretation of Latin and Greek roots, prefixes and suffixes. Students will pronounce, spell and transcribe basic terms relating to the body, body systems, medical specialties, common medical abbreviations, and diagnostic procedures.

MRT102 Medical Terminology II (3)

A continuation of MRT101. **PREREQUISITE: MRT101**

Military Science

MS101 Leadership and Personal Development (MS-1) (2)

Introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness and stress management relate to leadership, officership and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army and its advantages for the Student. Associated Leadership Lab Required.

MS102 Foundations of Leadership (MS-1) (2)

Overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills and actions in the context of practical, hands-on and interactive exercises.

Continued emphasis is placed on recruitment and retention of Cadets. Cadre role models and the building of stronger relationships among the Cadets through common experience and practical interaction are critical aspects of the MS102 experience.

Associated Leadership Lab Required.

Military Science, continued

MS201 Innovative Tactical Leadership (MS-II) (3)

Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework (trait and behavior theories). Cadets practice aspects of personal motivation and team building in the context of planning, executing and assessing team exercises and participating in leadership labs.

Focus is continued development of the knowledge of leadership values and attributes through an understanding of Army rank, structure, and duties and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the contemporary operating environment (COE).

Associated Leadership Lab Required. (Previously MS111)

MS202 Leadership in Changing Environments (MS-II) (3)

MSL 202 examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). The course highlights dimensions of terrain analysis, patrolling, and operations orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations in a constantly changing world and applies these challenges to practical Army leadership tasks and situations.

MSL 202 provides a smooth horizontal transition into MSL 301. Cadets develop greater self awareness as they assess their own leadership styles and practice communication and team-building skills. COE case studies provide insight into the importance and practice of teamwork and tactics in real-world scenarios. Associated Leadership Lab Required. (Previously MS112)

MS231 Adaptive Team Leadership (MS-III) (3)

Challenges Cadets to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, Cadets continue to develop their leadership and critical thinking abilities. The focus is developing Cadets' tactical leadership abilities to enable them to succeed at ROTC's summer Leadership Development and Assessment Course (LDAC). Associated Leadership Lab Required. (Previously MS201)
This course is equivalent to MS301.

Military Science, continued

MS232 Leadership Under Fire (MS-III) (3)

Uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading tactical operations up to platoon level. Cadets review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in garrison operation orders.

The focus is on exploring, evaluating and developing skills in decision-making, persuading and motivating team members in the contemporary operating environment (COE). MS202 Cadets are evaluated on what they know and do as leaders as they prepare to attend the ROTC summer Leader Development Assessment Course (LDAC).

Associated Leadership Lab Required. (Previously MS202)
This course is equivalent to MS302.

MS235 Leader's Training Course (LTC) (4)

Substitutes for the first two years of military science courses. Course is conducted during the summer at Fort Knox, Kentucky for a period of four weeks. Transportation, room, board, military clothing and a salary are provided. Interested students should contact the Professor of Military Science. (Previously MS115)

MS241 Developing Adaptive Leaders (MS-IV) (4)

Develops cadet proficiency in planning, executing and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets assess risk, make ethical decisions, and lead fellow ROTC Cadets. Lessons on military justice and personnel processes prepare Cadets to make the transition to Army officers.

MS-IV Cadets analyze, evaluate and instruct Cadets at lower levels. Both their classroom and battalion leadership experiences are designed to prepare MS241 cadets for their first unit of assignment. They identify responsibilities of key staff, coordinate staff roles, and use situational opportunities to teach, train and develop subordinates.

Associated Leadership Lab Required. (Previously MS211)
This course is equivalent to MS401.

Military Science, continued

MS242 Leadership in a Complex World (MS-IV) (3)

Explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support.

The course places significant emphasis on preparing Cadets for their first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare Cadets to face the complex ethical and practical demands of leading as commissioned officers in the United States Army.

Associated Leadership Lab Required. (Previously MS212)
This course is equivalent to MS402.

MS245 Leader Development Assessment Course (LDAC) (4)

Five weeks of advanced ROTC experience/training for advanced military science students. The course is conducted at Fort Lewis, Washington. Required for completion of military science program and commissioning. Students receive financial assistance. (Previously MS215)

Paralegal Studies

PL101 The Professional Paralegal (3)

Introductory course is designed to acquaint the new student with the basic realities of law practice. Areas explored include: different types of paralegal employment, regulation of paralegals, basic ethics, introduction to the legal system, legal analysis, interviewing, investigations, use of computers in a law office, and law office management.

PL102 Paralegal Ethics (3)

The overall goal of the course is to introduce students to the rules, regulations, and responsibilities guiding the ethical behavior of paralegal professionals. Materials focus on practical, relevant issues facing paralegals. A critical thinking approach to encourage student engagement in the subject through legal reasoning exercises, examples, and thoughtful questions. Hypothetical and actual case briefs will illustrate key principles and incorporate many of the practical elements paralegals face day to day.

Philosophy & Religion

PHL101 Philosophy (3)

A study of many of the mainline philosophies will be undertaken from a historical survey of philosophical thought from Classic Greek to Existentialism and the philosophy of science. It includes a study of Metaphysics, Ethics and Political philosophy.

PHL111 Ethics (3)

Course objectives are to discuss the ethical thought of some of the Western writers from Plato to the present, relate one's personal beliefs to some from the ethical studies presented and to relate historical ethics to present social problems.

PHL211 Logic (3)

Introduction to formal and informal logic through deduction, induction and informal fallacies.

REL111 Religious Studies (3)

This course covers the teaching of Christ with particular emphasis placed upon the Sermon on the Mount. A study is made of the relevance of Christ's teachings to current, often controversial, social issues of particular interest to young adults.

REL112 The Bible as Literature (3)

This course covers the entire Bible, noting the different types of literature contributed by the Hebrew culture to the world. The Bible is studied as a literary library.

REL113 World Religions (3)

This course provides an objective introduction to twelve of the world's living religions. The student reads from the sacred literature of each religion, and is given background information on the origin and development of each religion and what practices are a part of each.

Physical Education

PE111 Lifesaving (1)

Sponsored by the American Red Cross, the advanced water safety course teaches the student to respect water for its intended purpose. Teaches the art of self-defense in how to save lives, especially their own. This course is required for the Water Safety Instructors Course.

PE112 Water Safety Instructors (2)

Sponsored by the American Red Cross, this course certifies the student to teach, to test and to certify fourteen levels of swimming including the lifesaving course itself. This certification is recognized worldwide.

PREREQUISITE: PE111

Physical Education, continued

PE 113 First Aid, Safety, and CPR (1)

First aid practice and theory for emergencies with emphasis on safety and CPR. Taught by certified instructor.

PE114 Fitness through Activity & Sport (1)

Develops concepts of personal physical fitness as they relate to optimal healthful living.

PE115 Recreational Sports (1)

Sidewalk tennis, shuffleboard, aerial darts, deck tennis, table tennis, volley tennis and paddle tennis.

PE116 Handball (1)

Basic and progressive fundamentals of handball.

PE117 Racquetball (1)

Basic and progressive fundamentals of racquetball.

PE118 Aerobic Conditioning (1)

Preventive and corrective cardiovascular activities and programs.

PE120 Lifetime Fitness (3)

Developing a healthy lifestyle through exercise and diet. Studying what exercised and activities (sports) can be utilized throughout one's life. Study dieting, the effects of a proper diet. Develop and participate in a program based upon the individual's needs and monitor it throughout the semester.

PE121 Badminton (1)

Basic and progressive fundamentals of badminton.

PE122 Beginning Golf (1)

Basic and progressive fundamentals of golf.

PE123 Beginning Tennis (1)

Basic and progressive fundamentals of tennis.

PE124 Volleyball (1)

Basic and progressive fundamentals of volleyball.

PE125 Basketball (1)

Basic and progressive fundamentals of basketball.

PE211 Weight Training (1)

Developing a program through the use of free weights and weight machines to meet the individual needs of the student. Studying the muscle groups that will be affected in the student's program.

PE212 Weight Control (1)

The relationship between diet, exercise, and weight and the planning of weight control programs based on individual needs.

Physical Education, continued

PE213 Performance & Teaching of Weight Training (1)

Introductory course in the principals of weight training education.

PE214 Human Anatomy (3)

Detailed study of the structure of the human body. Emphasis on musculoskeletal, cardiovascular-respiratory, and nervous systems of the human body.

PE215 Exercise Physiology (3)

The study of cardiovascular, muscle, and nerve physiology. **PREREQUISITE: PE214**

PE216 Scuba (2)

Teaching use of underwater techniques by using artificial breathing devices. **PREREQUISITE: PE 111**

PE217 Foundations of Athletic Training (3)

Introduction to the fundamental aspects of athletic training.

Political Science

PS101 American Government (3)

A study of the historical background, form, structure, administration and organization of the federal government. An extensive study of the Constitution of Missouri and the United States will be made. **MEETS MISSOURI 170.011 R.S. MO REQUIREMENTS.**

PS102 State and Local Government (3)

This course is a survey of state and local governments. The course examines the traditional federal relationship between national and state governments and the changing relationships between state and urban governments. An analysis is also made of government institutions and problems of the various levels of state and local governments. A study of state constitutions is made using the Missouri constitution as an example.

PS202 International Relations (3)

This course covers the various phases of contemporary international relations. The historical background of the modern state system, international law, national foreign policies, international organizations, nationalism, imperialism, international trade, armaments and international debts are included in this course as well as international news.

Science

SCI100 Biological Science w/Lab (4)

Detailed summary of modern biological concepts. Emphasis on key biological principles and their application in cytology, genetics, medicine, zoology and other related biological fields. Excellent background/prerequisite for all biology majors and educators. Laboratory required. An additional fee is associated with this course.

SCI101 Physical Science w/Lab (5)

For the non-science major, an introduction to the physical sciences. Basic scientific laws are introduced and their relevance to everyday life is stressed. Emphasis given to the concepts of Physics and Chemistry and their relationship to other sciences. Laboratory required. An additional fee is associated with this course.

PREREQUISITE: High School biology or chemistry class, or permission of the Provost

SCI102 Zoology w/Lab (4)

Classification, evolution of the metazoan, and anatomy and physiology of selected invertebrate and vertebrate animal forms. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI100 or high school advanced biology or permission of the Provost**

SCI103 Astronomy w/Lab (4)

A general introduction to Astronomy starting with the earth and moving through the solar system and beyond. Some laboratory work is required and a foundation in mathematics is helpful. Laboratory required. An additional fee is associated with this course.

SCI104 Botany w/Lab (4)

Biological principles and their application to the plant kingdom. Morphology, physiology, and taxonomy of plants with a major emphasis on flowering plants. Microscopic and gross examination of plant anatomy, life cycles and ecological relationships. Perfect for the non-major or the major needing additional field biology courses for education or conservation fields. Laboratory required. An additional fee is associated with this course.

SCI105 Microbiology w/Lab (5)

Study of pathogenic microorganisms, medically important parasites of man, immunological principles, collection, isolation and identification techniques. Study of the major groups of microorganisms. Emphasis on bacteria and viruses. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI100 or SCI102**

Science, continued

SCI106 Conservation Biology w/Lab (4)

The conservation of wildlife resources in North America and worldwide application, with emphasis on their importance in our economic and cultural life. Biological methods of restoration, preservation and management are detailed and highlighted. Background/prerequisite for non-majors or conservation, biology, education majors.

Laboratory required. An additional fee is associated with this course.

SCI107 Marine Biology w/Lab (5)

This course will survey major topics of interest in the fields of Oceanography and Marine Science. Topics include marine geology, physical oceanography, chemical oceanography, marine ecology, marine embryology, invertebrate zoology, vertebrate zoology. As a student of the course students wanting to become certified in SCUBA will study diving physics, diving medicine, Gas laws & SCUBA basics.

Laboratory required. An additional fee is associated with this course.

SCI108 Ecology w/Lab (4)

Ecological principles and concepts pertaining to populations, communities and ecosystems with special emphasis on animals. Both local examples and laboratory work are part of this course. Perfect for the non-major or the major needing additional field biology courses for education or conservation fields. Laboratory required. An additional fee is associated with this course.

SCI110 Principles of Geology w/Lab (4)

Fundamental principles of physical geology including morphology, mineralogy and petrology. An introduction to structural geology, earthquakes and the interior of the earth. Plate tectonic theory is emphasized throughout. LAB: The identification of common materials and rocks. A rudimentary study of forms by using topographic maps, aerial photographs, and false color images. Laboratory required. An additional fee is associated with this course.

SCI111 General College Physics I w/Lab (5)

This course is recommended for those who do not intend to major in engineering. Primarily designed for liberal arts and premedical majors. Major topics covered include kinematics, statics, motion, forces, energy, work, momentum, waves and heat. LAB: Lab experiments to supplement and compliment General College Physics. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: High School Algebra II and college standing**

Science, continued

SCI112 General College Physics II w/Lab (5)

Designed for premedical majors and liberal arts majors desiring to increase their understanding of basic scientific principles. Continuation of SCI111 covering electric charges and currents, circuits, electromagnetism, light and optics, and elementary atomic and particle theory. LAB: Lab experiments to supplement and compliment General Physics II. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI111**

SCI120 General Chemistry I w/Lab (5)

Formerly SCI120 General Chemistry w/Lab. For students who will pursue a career in chemistry, physics, biological science, engineering, or the medical field (including but not limited to medicine, nursing and pharmacy). This introductory chemistry course will include major topics in atomic structure, molecular shape, bonding theories, stoichiometry, gas law, solutions, oxidation-reduction, and thermo-chemistry. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: High School Chemistry or Algebra II with a grade of 'C' or better.**

SCI121 General Chemistry II w/Lab (5)

Formerly SCI121 General Inorganic Chemistry w/Lab. For students who will pursue a career in chemistry, physics, biological science, engineering or the medical field. This course is a continuation of SCI120; major topics to include periodic trends, liquids and solids, solutions, acid-base theories, chemical equilibrium, kinetics, electro-chemistry, and thermodynamics. Upon completion of SCI120 and SCI121, the student will have had an introduction in advanced work in chemistry. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI120 and MA111 with a grade of 'C' or better in both courses; or permission of the Provost.**

SCI201 Human Biology w/Lab (4)

An overview of Human Biology, emphasizing physiology, developmental health, interpersonal and environmental interactions. This course is designed to give a sound foundation for higher level college biology courses. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI120 or SCI121 or permission of the Provost**

Science, continued

SCI202 Human Physiology w/Lab (4)

This course is based upon the body's various coordinated functions and the integration of cellular activities. The following topics are discussed: molecular control mechanisms, homeostatic control mechanisms, neural control mechanisms, circulation, respiration, regulations of water and electrolyte balance, the digestion and absorption of food, regulation of organic metabolism and energy balance, defense mechanisms, the sensory systems; control of body movement and consciousness and behavior. Laboratory required. An additional fee is associated with this course.

SCI203 Anatomy & Physiology w/Lab (5)

The scope and content of this course is based largely upon acquiring a knowledge of the ten systems of the body: skeletal, muscular, integumentary, gastrointestinal, genitourinary, cardiovascular, lymphatic, respiratory, endocrine and nervous. The structure and function of anatomy and physiology of the ten systems will be compared emphasizing the homeostatic mechanisms and interdependence of the mechanisms. Lab experiments will include the use of anatomical modes, dissections and microscopic tissue examinations. Laboratory required. An additional fee is associated with this course.

SCI204 Nutrition (3)

The study of nutrients and how the body handles them. Interdependence of human nutrition and food in the health and behavior of consumers. Includes diet analysis, controversies and issues.

SCI206 Field Natural History w/Lab (4)

Detailed experience in field and laboratory identities of local plants and animals, environmental awareness and the latest research encountered. Laboratory experience in herbarium and entomology preservation. Thorough coverage of biological theory and the cultural context of scientific discovery by evolutionary experts. Background/prerequisite for all majors in conservation, ecology and education. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI102 or SCI104 or permission of the Provost.**

SCI208 Genetics w/Lab (3)

Hereditary principles and their application to classical genetics and the genetics of populations. Particular emphasis is placed on the quantitative aspect of the discipline and its relation to evolutionary mechanisms. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI100 or permission of the Provost**

Science, continued

SCI209 Anatomy w/Lab (5)

Study of the form and structure of the whole human body with particular emphasis on the interdependence of the main body. Cellular studies included. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI100 or SCI102 or permission of the Provost**

SCI210 Physiology w/Lab (5)

A functional study of cellular and metabolic processes in genitourinary, cardiovascular, lymphatic, skeletal, muscular, integumentary, gastrointestinal, respiratory, nervous, and digestive systems, integrated with a study of pertinent structures. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI100 or SCI102 and SCI120 or permission of the Provost.**

SCI211 Engineering Physics I w/Lab (5)

This course is a calculus-based introductory physics course for pre-engineering or science majors. Emphasis is placed on development and understanding of concepts leading to problem solving through logical reasoning. Major topics include measurement, motion, forces, work and energy, conservation of energy and momentum, rotation of rigid bodies, wave motion and oscillatory motion, statics, mechanics of solids and fluids and thermodynamics. LAB: Experiments designed to demonstrate and enhance physics concepts and stimulate analytical reasoning. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: Completion or current enrollment in MA221.**

SCI212 Engineering Physics II w/Lab (5)

This is a continuation of SCI211 for pre-engineering or science majors. Major topics include an introduction to fundamentals of electricity, electromagnetic waves, light, optics and introduction to relativity. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: MA211**

SCI221 Organic Chemistry w/Lab (5)

Designed for students preparing to enter medicine, dentistry and related fields. A review of general chemistry topics, then introduction to the structure and properties of the hydrocarbons, as well as the various families of organic compounds. Organic structure determination and synthesis are emphasized. Three lecture periods. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI121**

SCI231 Invertebrate Zoology w/Lab (5)

Classification, comparative morphology and physiology of invertebrates. Phylogentic and evolutionary relationships are emphasized. Laboratory required. An additional fee is associated with this course. **PREREQUISITE: SCI100 or permission of the Provost.**

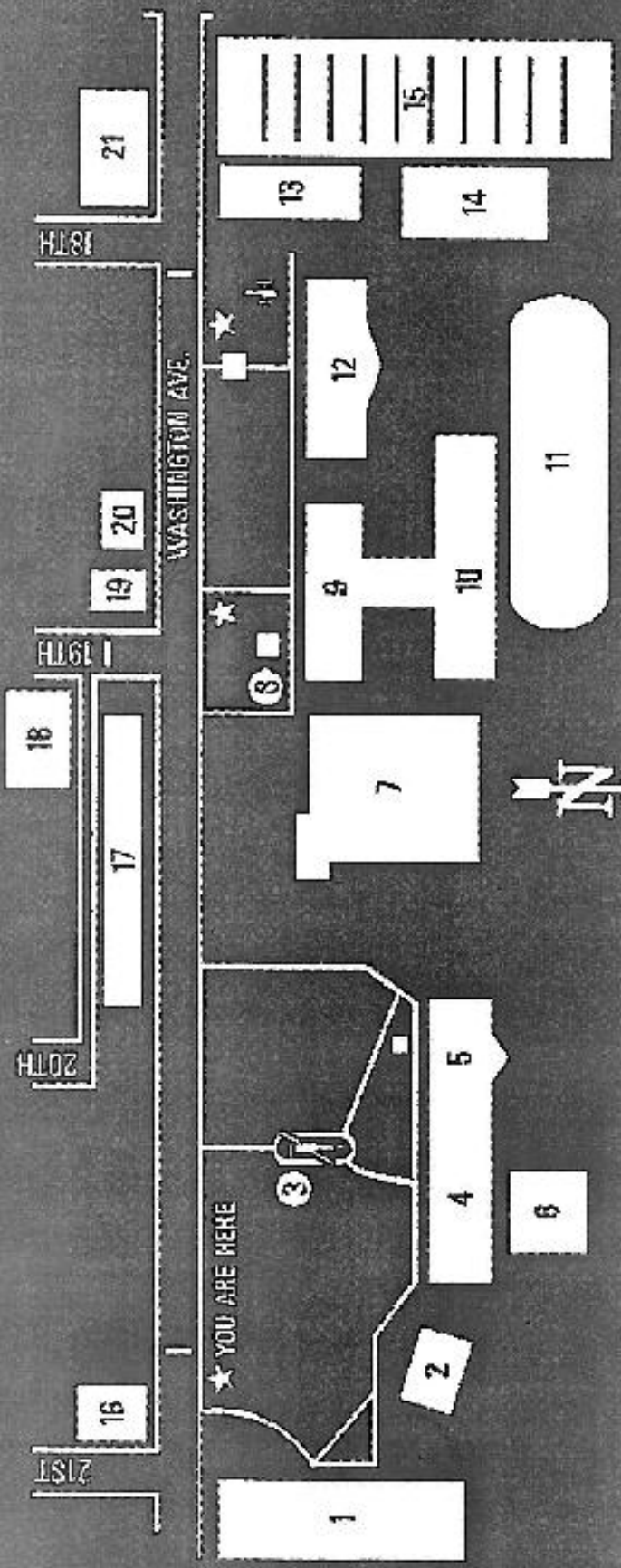
Science, continued

SCI232 Vertebrate Zoology w/Lab (5)

Classification, comparative morphology, and physiology of vertebrates. Includes animal functions in terms of their needs for oxygen, food, energy, temperature, water, movement, information, and integration. Laboratory required. An additional fee is associated with this course.

PREREQUISITE: SCI102, SCI106 and SCI108 or permission of the Provost.

WMA CAMPUS



- 1. EAST BARRACKS
- 2. COMMANDANT'S QUARTERS
- 3. VIETNAM MEMORIAL
- 4. SCHOLASTIC BUILDING
- 5. MEMORIAL CHAPEL
- 6. TENNIS COURTS
- 7. SANDFORD SELLERS DINING HALL

- 8. DOUBLEDAY
- 9. GROENDYKE HALL
- 10. WIKOFF ATHLETIC CENTER
- 11. TRACK/PARADE FIELD
- 12. ADMINISTRATION BLDG.
- 13. HICKMAN HALL
- 14. MAINTENANCE

- 15. ALUMNI STADIUM
- 16. JC CADET PARKING LOT
- 17. TILLOTSON BARRACKS
- 18. 19TH ST. PARKING LOT
- 19. NORMA MARING ALUMNI HALL
- 20. INFIRMARY
- 21. WEST PARKING LOT

NOTES