

NATIONAL AMERICAN UNIVERSITY



CATALOG ADDENDUM 2009 - 2010 Published November 2009

*Quality higher education in a caring
and supportive learning environment.*

Accredited by the Higher Learning Commission and a member of the North Central Association
www.ncahlc.org (312) 263-0456

Accreditation – Approvals – Affiliations

The Lee’s Summit campus is an extension of the Independence, Missouri campus and is pending approval.

The following are additions to the Accreditation – Approvals – Affiliations section on pages 2-3:

(page 2)

The medical assisting programs offered at Albuquerque, Bloomington, Colorado Springs, Denver, Overland Park, Roseville, and Sioux Falls are accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) on the recommendation of the Medical Assisting Education Review Board. The Commission on Accreditation of Allied Health Education Programs can be contacted at 1361 Park Street, Clearwater, Florida 33756, phone (727) 210-2350, fax (727) 210-2354.

National American University is regulated by: The Indiana Commission on Proprietary Education, 302 W Washington St., Room E201, Indianapolis, IN 46204. Toll free number: 1-800-227-5695 or (317) 232-1320.

The pharmacy technician programs offered at Roseville and Sioux Falls are accredited by the American Society of Health-System Pharmacists (ASHP).

Admissions

The following are additions to the Admissions section on pages 13-16:

(page 14)

Academic Success Appraisal

The purposes of the academic success appraisal are to:

1. encourage academic success and degree completion.
2. identify existing knowledge and skills in both sentence skills and mathematics.
3. provide students with feedback about their basic skills.
4. aid in appropriate course placement in English or mathematics and advise the student if precollege studies are needed.
5. recommend a course of study in which the student may reasonably expect to achieve academic success.

As an open-enrollment institution, NAU requires all diploma and degree-seeking students to complete academic success appraisals at the time of enrollment or provide evidence of successfully completed college-level English and mathematics courses or equivalent. Course completion or equivalents are defined as follows:

1. A student has successfully completed college-level algebra and/or composition (“C” grade or above) and has submitted a copy of a college transcript as documentation.
2. A student has successfully completed the CLEP English Composition with Essay, Freshman College Composition and/or College Algebra examination with a passing score, as defined by the CLEP program, and has submitted a copy of the official CLEP transcript as documentation.
3. A student has successfully completed the equivalent Advanced Placement (AP) English and/or mathematics examinations with a score of 3 or above and has submitted a copy of the official AP transcript as documentation.

Tuition, Fees and Refund Policy

The following are additions to the Tuition, Fees and Refund Policy section on pages 19-20:

(page 20)

If a postsecondary proprietary educational institution utilizes a refund policy of their recognized national accrediting agency or the new United States Department of Education (USDOE) Title IV refund policy enacted by the 1992 Amendments to the Higher Education Act, the postsecondary proprietary educational institution must provide written verification in the form of a final refund calculation, upon the request of the commission, that its refund policy is, indeed, more favorable to the student than that of the commission's. Postsecondary proprietary educational institutions accredited by a nationally recognized accrediting agency must uniformly apply the commission's tuition refund policy or the refund policy of their recognized accrediting agency, as previously approved by the commission to all first-time students enrolled. Postsecondary proprietary educational institutions using a refund policy other than that of the commission's must list the complete policy and

its origination in the institutional catalog and the enrollment agreement. (Indiana Commission on Proprietary Education; 570 IAC 1-8-4.5; filed Jan 17, 1995, 1:00 p.m.: 18 IR 1476; readopted and extended filed Jan 9, 2002, 10:58 a.m.: 25 IR 1731)

Academics

The following are additions to the Academics section on pages 22-31:

(page 24)

Block Transfer Policy

The block transfer policy (General Education Equivalency) applies to all bachelor's degree programs with the exception of the following degree programs: BS in athletic training, BS in nursing, and the BS in applied management offered in Kansas. All transfer course work must be college level (1000 level or above).

Transfer credit may be granted for general education courses successfully completed at another accredited institution, if National American University determines that such courses substantially fulfill the learning objectives of, or qualify as a substitution for, the following general education courses: EN1300 Composition II, EN2100 Speech or EN2150 Interpersonal Professional Communication, MA2050 College Algebra, CS1500 Strategies for Success and CI1150 Introduction to CIS. Block transfer does not apply to students attending Minnesota or Texas campuses. If students were eligible for block transfer on enrollment, a subsequent change of degree program request will initiate the reevaluation of eligibility for block transfer in the new degree program.

Students who have earned a bachelor's or associate degree, regardless of the type, with the equivalent of at least 50 quarter credit hours of general education courses, meet the requirements for National American University's general education core area available for block transfer.

Students who have earned an Associate of Arts (AA), Associate of Science (AS), Associate of Applied Science (AAS), Associate of General Studies degree or a technical Bachelor of Applied Science degree from an accredited institution will be eligible for block transfer in the university's Bachelor's of Applied Science in Applied Management and Bachelor's of Applied Science in Applied Information Technology degree programs.

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Course Load Policy

In order to complete a degree in the standard time frame (two years for the associate degree and four years for the bachelor's degree), the student course load would be about 16 credit hours for three quarters per year. The per quarter course load includes regular, accelerated, online, and independent study courses, as well as externships and internships. A minimum of 12 credits per quarter is required to be considered as a full-time student. Registration for course loads exceeding 18 quarter credits requires a minimum cumulative grade point average and signature as follows:

<u>Credit Hours</u>	<u>Min. Cumulative GPA</u>	<u>Signature(s)</u>
19-22.5	2.0	Advisor Academic Dean
23-27	3.0	Advisor Academic Dean <u>Associate Provost/System VP for Curriculum & Instruction</u>

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Transfer of Credit

Transfer credit will not be granted for designated capstone courses in the university's academic programs. Credits earned at accredited business or technical schools, colleges, or universities may be transferred to National American University based on comparability of subject matter, applicability of the credit earned to the student's program, and if the student earned a final grade of "C" or better. Credit transfer may be restricted to that which has been completed within a recent time period. Students wishing to transfer credits must see that an official transcript of those credits is sent to the registrar. Transfer credits are also subject to the university's residency requirements.

A student who is enrolled at another university may also enroll for course work at National American University as a special student. It is the student's responsibility to request an official transcript of credits earned at National American University to be sent to the university at which he/she is a candidate for a degree.

Foundational nursing students eligible to receive transfer credits for one or more of their nursing foundation courses have the option to request that National American University not accept transfer credit in one or more of the nursing foundation courses. This request must be made at the time of admission and students must first see their nursing foundational core advisor to be advised regarding National American University's admission criteria into the nursing clinical core. The decision to reject the transfer of courses into the nursing foundation core is not reversible.

Transferability of Credit Disclosure

Credits earned at National American University may not transfer to another educational institution. Credits earned at another educational institution may not be accepted by National American University. You should obtain confirmation that National American University will accept any credits you have earned at another educational institution before you execute an enrollment contract or agreement. You should also contact any educational institutions that you may want to transfer credits earned at National American University to determine if such institutions will accept credits earned at National American University prior to executing an enrollment contract or agreement. The ability to transfer credits from National American University to another educational institution may be very limited. Your credits may not transfer and you may have to repeat courses previously taken at National American University if you enroll in another educational institution. You should never assume that credits will transfer to or from any educational institution. It is highly recommended and you are advised to make certain that you know the transfer of credit policy of National American University and of any other educational institutions you may in the future want to transfer the credits earned at National American University before you execute an enrollment contract or agreement.

Capstone Courses

The Academic Programs footnote ****CAPSTONE COURSE - Senior level, minimum "C" grade required is revised to **CAPSTONE COURSE - Senior level, minimum "C" grade required, must be completed at NAU.**

Accounting

The following are additions to the Accounting section on pages 41-44:

(page 41)

**Accounting
Bachelor of Science Degree
189 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Rapid City, Rio Rancho, Roseville, Sioux Falls, and Watertown. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

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**Accounting
Associate of Applied Science Degree
93 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Rapid City, Rio Rancho, Roseville, Sioux Falls, and Watertown. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

**Allied Health
Health Information Technology
Healthcare Coding
Medical Administrative Assistant
Medical Assisting
Medical Staff Services Management
Pharmacy Technician
Therapeutic Massage**

The following are additions to the Allied Health section on pages 44-60:

The prerequisites for ME2250 Medical Law & Ethics were revised to ME1100/HT1100D and were updated in the following academic programs: AAS Health Information Technology, AAS Medical Administrative Assisting, and AAS Medical Assisting.

The prerequisite for ME3330D Medical Staff Services Management Externship was revised to Program Coordinator Approval and was updated in the AAS Medical Staff Services Management program.

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Health Information Technology Associate of Applied Science Degree 99 Credits

The blended delivery format is offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita, and Zona Rosa and requires students to complete the Health Information Technology Core through NAU's distance learning program.

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Healthcare Coding Diploma 54.5 Credits

The blended delivery format is offered at Albuquerque, Austin, Brooklyn Center, Bloomington, Colorado Springs, Denver, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita and Zona Rosa and requires students to complete the Healthcare Coding Major Core through NAU's distance learning program.

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Medical Assisting Associate of Applied Science Degree

The medical assistant performs administrative and clinical duties in a physician's office or other outpatient care settings within the scope of specific training and state law and in accordance with assignments by a physician.

Administrative duties may include patient scheduling, receptionist duties, medical record management, medical transcription, office correspondence, medical insurance procedures, and office accounts, fees and collections.

Clinical duties may include interviewing patients, taking vital signs, preparing patients for examination, assisting the physician during the exam, performing routine laboratory testing, sterilizing instruments and equipment, and administering medications. A medical assistant with sufficient training and experience may become responsible for office management.

The medical assisting program utilizes a combination of lecture and laboratory sessions, as well as an externship following completion of other required course work. Students are required to obtain a Hepatitis B vaccination prior to enrolling in the clinical science lab and laboratory techniques courses. In addition, they must complete a physical examination and tuberculosis testing prior to the externship.

The curriculum includes courses in administrative, clinical, and laboratory skills in order to provide graduates with the entry-level competencies required of medical assistants. Students in the program must complete all professional courses in the curriculum with a minimum "C" grade. Upon successful completion of CAAHEP accredited programs, each student must meet the formal training requirement to be eligible to take the national certification examination to become a certified medical assistant (CMA).

Program Goals

The program will:

- prepare competent entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.
- encourage students to project a positive attitude, and show initiative and responsibility.
- expose the student to holistic healthcare philosophy, cultural differences, and practices to respond to the needs and expectations of patients, physicians and employers.
- develop communication skills necessary to provide patient care and work effectively as a healthcare team member.
- engage learners in the process of developing professional ethics as they apply to the medical assisting profession, including knowledge of the Medical Assisting Code of Ethics.
- encourage student membership and involvement in professional organizations and provide them with a thorough understanding of the importance of certification and continuing education.

Student Learning Outcomes

Graduates of the program will:

- demonstrate entry-level skills, knowledge and behavior competence in content and administrative and clinical functions and procedures, including general operational functions, as defined by the Commission on Accreditation of Allied Health Education Programs Standards and Guidelines for Medical Assisting Educational Programs.
- apply customer service concepts and principles in providing quality care.
- explain office policies, instruct patients according to their needs, and identify various community resources.
- recognize and respond to written, verbal and nonverbal communication concepts and principles in gathering assessment data, providing documentation, and implementing quality care.
- articulate fundamental principles, regulations and statutes for performing within legal and ethical boundaries.
- recognize the importance of becoming a certified medical assistant, membership in professional organizations, and continuing education.

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**Medical Assisting
Associate of Applied Science Degree
100 Credits**

Offered at Albuquerque, Bloomington, Brooklyn Center, Colorado Springs, Denver, Independence, Lee's Summit, Minnetonka, Overland Park, Roseville, Sioux Falls, Wichita and Zona Rosa.

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**Medical Staff Services Management
Associate of Applied Science Degree
98.5 Credits**

The blended delivery format is offered at Albuquerque, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, and Zona Rosa, and requires students to complete most of the Medical Staff Services Management Major Core through NAU's distance learning program. This program is also offered through NAU's distance learning program.

Arts and Sciences

The following are additions to the Arts and Sciences section on pages 60-61:

(page 61)

**General Education Studies
Associate of Science Degree
93 Credits**

Offered at Albuquerque, Colorado Springs, Ellsworth, Independence, Lee's Summit, Rapid City, Rio Rancho, Sioux Falls, Watertown and Zona Rosa. This program is also offered through NAU's distance learning program.

Athletic Training

The following are additions to the Athletic Training section on pages 62-64:

**Athletic Training BS
Bachelor of Science Degree**

Athletic training is an allied healthcare field specializing in preventing, recognizing, managing, and rehabilitating injuries that result from physical activity. As part of a complete healthcare team, the certified athletic trainer works under the direction of a licensed physician and in cooperation with other healthcare professionals, athletic administrators, coaches and parents. The various work settings that athletic trainers are employed include secondary schools, colleges and universities, professional sports, hospitals, clinics, physician offices, sports medicine clinics, military, law enforcement, industrial, commercial, and performing arts.

This program includes a foundational core, a curriculum-based athletic training core, a support core, and a general education core. Students wishing to enroll in the athletic training major core must follow the admissions process outlined below.

Students in the program must complete all professional courses in the curriculum with a minimum "C" grade.

Upon completion of the program, students have the necessary preparation to take the National Athletic Trainers Association Board of Certification Exam.

Program Goals

The program will:

- provide a quality didactic and clinical education to students in the athletic training program.
- provide an opportunity for undergraduate students to become proficient in the domains of athletic training.
- provide experiences in the classroom and clinical setting that benefit students upon employment in the athletic training profession
- prepare students to successfully complete examinations for athletic training certification and licensure, including the NATABOC examination.
- prepare athletic training students for the moral, ethical and legal obligations required of an athletic trainer.
- aid graduating students during the process of obtaining employment as an athletic trainer, or continuing with their post-graduate education.
- provide athletic training students with appropriate preparation, knowledge and skill level in each of the twelve Athletic Training Domains.
- develop an overall understanding with the athletic training student of what will be expected of them in their role as an athletic trainer.

Student Learning Outcomes

Graduates of the program will:

- explain and manually demonstrate an athletic injury evaluation of the lower extremity using Subjective, Objective, Assessment and Plan.
- explain and manually demonstrate an athletic injury evaluation of the upper extremity using Subjective, Objective, Assessment and Plan.
- explain and manually demonstrate an athletic injury evaluation of the head, neck and spine using Subjective, Objective, Assessment, Plan.
- demonstrate comprehensive knowledge of the domains of athletic training.

Accreditation Status

The athletic training education program is on probation with a progress report due on or before December 1, 2009, to the Commission on Accreditation of Athletic Training Education (CAATE).

Technical Standards for Admission

The Athletic Training Educational Program (ATEP) at National American University is a rigorous and intense program that places specific requirements and demands on the enrolled students. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Educational Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet expectations of the program's accrediting agency, the Commission on Accreditation of Athletic Training Education (CAATE). In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program.

Compliance with the program's technical standards does not guarantee a student's eligibility for the NATABOC certification examination.

Students in the Athletic Training Educational Program must demonstrate:

1. the mental capacity to assimilate, analyze, synthesize and integrate concepts, and problem solve to formulate assessment and therapeutic judgments, and to be able to distinguish deviations from the norm.
2. sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and material during the assessment and treatment of patients.
3. the ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish a rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice.
4. the ability to record the physical examination results and a treatment plan clearly and accurately.
5. the capacity to maintain composure and continue to function well during periods of high stress.
6. the perseverance, diligence and commitment to complete the Athletic Training Education Program as outlined and sequenced.
7. flexibility and the ability to adjust to changing situations and uncertainty in clinical situations.
8. affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Students in the Athletic Training Educational Program will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The academic dean will evaluate a student who states he/she could meet the program's technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws.

If a student states he/she can meet the technical standards with accommodations, then the university will determine whether it agrees that the student can meet the technical standards with reasonable accommodations. This includes a review of whether the accommodations requested

are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or institution, including all course work, clinical experiences and internships deemed essential to graduation.

Admission Requirements and Procedures

In addition to the university's admissions requirements and instructions on pages 13 – 16, the following admissions requirements are program specific.

Application to the athletic training foundational core is contingent on application to NAU. Admission to the athletic training foundational core does not guarantee enrollment in the athletic training major core. Admission to the athletic training major core is selective.

All students are required to obtain a Hepatitis B vaccination prior to clinical affiliation or sign a release form not to receive the vaccination; in addition, they are required to complete a yearly physical examination, sign the Technical Standards each year, attend annual mandatory blood-borne pathogen training and purchase the liability insurance offered by the university on a quarterly basis.

Students apply for the athletic training major core after completing the foundational core during their first year of study. During this first year, students are required to take the following athletic training courses:

- AT1050 Essentials of Athletic Training
- AT1100 Taping and Bandaging
- ME1340 Professional Rescuer

These courses require a grade of a “B” or higher in order to apply to the athletic training major core.

In addition, the following foundational courses must also be completed:

- CI1150 Introduction to CIS
- CS1500 Strategies for Success
- EN1150 Composition I
- EN1300 Composition II
- ME1150 Medical Terminology
- SC1055 Biological Concepts with Lab
- SC1232 Human Anatomy and Physiology I with Lab
- SC1332 Human Anatomy and Physiology II with Lab

In this coursework, students are required to have a minimum GPA of 2.5 overall.

Also, students are required to submit an application with two letters of recommendation to the Athletic Training Program Chair and be interviewed by the Athletic Training Program Chair and Clinical Coordinator. This application form is available from the Program Chair.

Prior to **May 31st** those students who want to apply to the athletic training major core need to have the following:

- 3.0 GPA in athletic training foundational core coursework..... 40%
- 2.5 GPA overall in remaining foundational core coursework..... 25%
- Submit application by the deadline (May 31st) 5%
 - Get application from AT Program Chair
- Interview (AT Program Chair and Clinical Coordinator) 10%
- Two letters of recommendation 10%
- Copy of Hepatitis B vaccination record..... 5%
 - or a release form for those opting not to receive the vaccination
- Current physical examination 5%
 - Current (in the past year) and performed by an MD, DO, NP, or PA

The total of the above requirements will be used to admit interested students into the athletic training major core. The major core courses are set in a specific sequence to facilitate learning over time so it is important that all students admitted to the major core meet with the Athletic Training Program Chair to ensure proper course registration.

If a student fails to meet the admission requirements above on first attempt, they may reapply after successfully repeating appropriate coursework. While awaiting reapplication, students may complete additional support courses and general education courses required for the degree program. Any student who fails to meet the foundational core requirements after their second attempt will meet with an academic advisor to find a more suitable course of study.

In the event that there are more applicants than available spots in the athletic training major core, a Clinical Skills Rubric will be used for making final admission decisions and will be completed for each student applying to the program by each member of the admission committee. Students receive a numerical score for each of the skills listed on the rubric. An average of the committee members' summed totals are used for determining admission. Required point totals for admission are listed at the conclusion of the rubric form.

Transfer Students

As with new students, application to the athletic training foundational core is contingent on application to NAU. Admission to the athletic training foundational core does not guarantee enrollment in the athletic training major core. Admission to the athletic training major core is selective.

All transfer students, including those transferring from a college or university that NAU has articulation agreements with, must meet all of NAU’s requirements for transfer and meet the requirements for the ATEP. All transfer students admitted into the program should plan on a minimum of two academic years to complete the program.

Submission Requirements:

1. An official transcript mailed to the registrar’s office.
2. A course description and syllabus of all athletic training coursework previously completed to the AT Program Chair in order for athletic training coursework to be considered for transfer.
3. A signed copy of all previous athletic training clinical experiences to the AT Program Chair.

Students are required to submit an application with two letters of recommendation to the Athletic Training Program Chair and be interviewed by the Athletic Training Program Chair and Clinical Coordinator. This application form is available from the Program Chair.

Those students who want to apply to the athletic training major core need to have the following at the time of application to the athletic training major core:

- 3.0 GPA in athletic training foundational core coursework..... 40%
- 2.5 GPA overall in remaining foundational core coursework..... 25%
- Submit application..... 5%
 - Get application from AT Program Chair
- Interview (AT Program Chair and Clinical Coordinator)..... 10%
- Two letters of recommendation 10%
- Copy of Hepatitis B vaccination record..... 5%
 - or a release form for those opting not to receive the vaccination
- Current physical examination 5%
 - Current (in the past year) and performed by an MD, DO, NP, or PA

Acceptance into the program does not guarantee that all transferring credits are accepted by the university.

**Athletic Training
Bachelor of Science Degree
186 Credits**

Offered at Rapid City

Athletic Training Major Core	Prerequisites	Credit Hours
(A minimum of 39 of the following 68 credits must be earned at NAU.)		
AT1210*	Sport Nutrition EN1300	3
AT2050*	Orthopedic Evaluation I AT1050/AT1100/ME1340	4
AT2051*	Orthopedic Evaluation I Lab AT1050/AT1100/ME1340	1
AT2100*	Orthopedic Evaluation II AT2050	4
AT2101*	Orthopedic Evaluation II Lab AT2050	1
AT2150*	Orthopedic Evaluation III AT2100	4
AT2151*	Orthopedic Evaluation III Lab AT2100	1
AT2200*	Pathology of Injury/Illness ME1340	3
AT2230*	General Medical Conditions AT2200	3
AT2300*	Practicum I Advisor approval	1
AT2350*	Practicum II Advisor approval	1
AT2400*	Practicum III Advisor approval	1
AT2500*	Athletic Training Clinical Exp. I AT2100	2
AT3100*	Athletic Training Management AT Major/EN1300	3
AT3300*	Practicum IV Advisor approval	1
AT3350*	Practicum V Advisor approval	1
AT3400*	Practicum VI Advisor approval	1
AT3500*	Athletic Training Clinical Exp. II AT2500	2
AT3550*	Research in Athletic Training EN1300	3
AT3600*	Strength and Conditioning SC3400/SC3450	4
AT4050*	Therapeutic Exercise SC3400	3
AT4100*	Therapeutic Modalities	3

AT4200*	Athletic Training Career Seminar**	AT major/ Sr. status	3	_____
AT4300*	Practicum VII	Advisor approval	1	_____
AT4350*	Practicum VIII	Advisor approval	1	_____
AT4500*	Athletic Training Clinical Exp. III	AT3500	2	_____
SC2220*	Pharmacology for Athletic Trainers	ME1150/SC1232	3	_____
SC3400*	Biomechanical Kinesiology	MA2050/ SC1232	4	_____
SC3450*	Physiology of Exercise	SC1332/EN1300	4	_____
			68	_____

Support Core

AC2760	Accounting for Managers		4.5	_____
EC2050	Macroeconomics		4.5	_____
MT2050	Principles of Management		4.5	_____
MT3300	Supervision	MT2050	4.5	_____
MT4250	Entrepreneurship	MT2050	4.5	_____
PE1350	Wellness		4.5	_____
			27	_____

Not available for block transfer

ATHLETIC TRAINING FOUNDATIONAL CORE (47.5)

Athletic Training Courses (9)

AT1050!	Essentials of Athletic Training		3	_____
AT1100!	Taping and Bandaging	AT1050	3	_____
ME1340!	Professional Rescuer		3	_____
			9	_____

Support Course (4)

ME1150#	Medical Terminology		4	_____
			4	_____

GENERAL EDUCATION (34.5) (Course-by-course transfer)

COMMUNICATIONS

EN1150#	Composition I	EN0500/ES2030^	4.5	_____
EN1300#	Composition II	EN1150	4.5	_____
			9	_____

SCIENCE

SC1055#	Biological Concepts with Lab		4.5	_____
SC1232#	Human Anatomy and Physiology I with Lab		6	_____
SC1332#	Human Anatomy and Physiology II with Lab	SC1232	6	_____
			16.5	_____

GENERAL EDUCATION

CS1500	Strategies for Success		4.5	_____
			4.5	_____

COMPUTER LITERACY

	Introduction to CIS or CI Elective		4.5	_____
			4.5	_____

GENERAL EDUCATION CORE (43.5) (Course-by-course transfer)

COMMUNICATIONS

EN2100 or	Speech or			
EN2150	Interpersonal Prof. Communications	EN1150	4.5	_____
EN3050	Technical Communications	EN1300	4.5	_____
			9	_____

SCIENCE

SC1354*	General Chemistry and Biochemistry with Lab		4.5	_____
			4.5	_____

MATHEMATICS

MA2050	College Algebra	MA1500^	4.5	_____
MA3000	Business Statistics	MA2050	4.5	_____
			9	_____

HUMANITIES

	Humanities Electives		9	_____
			9	_____

BEHAVIORAL/SOCIAL SCIENCE

PS1050	Introduction to Psychology		4.5	_____
	Elective		4.5	_____
			9	_____

^ Or placement recommendation

* Professional course - must be passed with minimum "C" grade

**CAPSTONE COURSE - Senior level, minimum "C" grade required, must be completed at NAU.

Graduation Requirements: A minimum 2.0 GPA is required overall and in the Athletic Training Major Core. See the "Graduation Requirements" section of the catalog for additional requirements.

(The university reserves the right to correct clerical errors.)

Business

The Bachelor of Applied Science in Applied Management degree is no longer offered at National American University after fall quarter, 2009.

The Bachelor of Applied Science in Applied Information Technology degree is no longer offered at National American University after fall quarter, 2009.

The following are additions to the Business section on pages 65-88:

(page 65)

Applied Management Bachelor of Science Degree

The applied management program is designed for individuals with degrees, diplomas, or certificates in specialty areas, such as merchandising, dental hygiene, electronics, medical assisting, drafting, welding, or other vocational areas.

A minimum of 27 credit hours in one specialty area is required to complete this program. Combined with business and general education courses, this degree prepares the graduate for advancement in management areas associated with their specialty field. Two options are available under this program: (1) transfer of credit from the source of the specialty training, or (2) creation of a specialty area using approved National American University courses.

Program Goals

The program will:

- create a caring and supportive learning environment that promotes academic excellence and student achievement through the use of a performance-based curriculum while being responsive to the individual needs of the student.
- promote the importance of professional development and lifelong learning for students.
- provide students with opportunities to develop a deeper understanding of the issues and challenges presented by a dynamic and rapidly evolving global business environment.
- cultivate a greater awareness of and sensitivity to cultural diversity, social responsibility, and ethical decision-making in students.
- provide faculty and staff an opportunity for professional growth and development.
- provide excellent customer service for all constituencies.
- optimize operational effectiveness through a continuous quality-improvement process.

Student Learning Outcomes

Graduates of the program will:

- demonstrate the ability to apply theory and critical-thinking skills to practical issues and problems that decision-makers in the field of business are likely to face.
- demonstrate proficiency in both written and oral communication skills through research papers, business memos, formal letters, written reports, oral presentations, and classroom discussions.
- utilize approved techniques to effectively analyze and synthesize numerical information with an emphasis in the areas of financial, statistical and quantitative analysis as applied to business.
- reflect appropriate leadership traits and teamwork skills during group activities and collaborative projects conducted and/or initiated by the instructor.
- show proficiency in the use of information technology, and competence with respect to information literacy.
- demonstrate the ability to identify ethical issues in various business situations and articulate a thoughtful position in response to those issues.

- prepare for employment responsibilities and continuing education appropriate to their degree level.

**Applied Management
Bachelor of Science Degree
186 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown and Zona Rosa. This program is also offered through NAU's distance learning program.

Applied Management Major Core		Prerequisites	Credit Hours	
(A minimum of 31 of the following 66 credits must be earned at NAU.)				
AC1060	Principles of Accounting I		4.5	_____
AC1160	Principles of Accounting II	AC1060	4.5	_____
FN3000	Business Finance I	AC1160/MA1500	4.5	_____
LA3100	Business Law		4.5	_____
MG1050	Principles of Marketing		4.5	_____
MT2050	Principles of Management		4.5	_____
MT3000+	Elective (Exclusive of Internship)		4.5	_____
MT3050	Human Resource Management	MT2050/EN1300	4.5	_____
MT3250	Organizational Behavior	MT2050/EN1300	4.5	_____
MT3500	Managing Information Systems	CI1150~/MT2050	4.5	_____
MT4000	Operations Management	MT2050/MA2050	4.5	_____
MT4200	Business Ethics	MT2050/EN1300	4.5	_____
MT4300	Management Across Cultures	MT3250/EN1300	4.5	_____
MT4440	Business Management Review	***	3	_____
MT4450	Strategic Management**	MT4440	4.5	_____
			66	

Specialty/Technical/Vocational Core (Maximum 45/Minimum 27 credits in one specialty area.)

If the maximum 45 credits is not met in the specialty core, the difference must be made up by choosing open electives.

	4.5	_____
	45	

Open Electives

	18	_____
	18	

GENERAL EDUCATION CORE (57)

General Education (Available for block transfer – 22.5) ##

COMMUNICATIONS				
EN1150	Composition I	EN0500/ES2030^	4.5	_____
			4.5	
SCIENCE				
	Science Elective		4.5	_____
			4.5	
HUMANITIES				
	Humanities Elective		4.5	_____
			4.5	
BEHAVIORAL/SOCIAL SCIENCE				
	Behavioral/Social Science Elective	▲	4.5	_____
			4.5	
GENERAL EDUCATION				
	General Education Elective	▲	4.5	_____
			4.5	

General Education (34.5) (Course-by-course transfer)

COMMUNICATIONS				
EN1300	Composition II	EN1150	4.5	_____
EN2100 or	Speech or			
EN2150	Interpersonal Prof. Communications	EN1150	4.5	_____
EN3050	Technical Communications	EN1300	4.5	_____
			13.5	

	MATHEMATICS			
MA2050	College Algebra	MA1500^	4.5	_____
MA3000	Business Statistics	MA2050	<u>4.5</u>	_____
			9	
	BEHAVIORAL/SOCIAL SCIENCE (9)			
EC2050	Macroeconomics		4.5	_____
EC2100	Microeconomics	EC2050	<u>4.5</u>	_____
			9	
	GENERAL EDUCATION			
CS2080	Career Management	Advisor approval	<u>3</u>	_____
			3	

^ Or placement recommendation

**CAPSTONE COURSE - Senior level, minimum "C" grade required, must be completed at NAU.

*** AC1160, EC2100, FN3000, LA3100, MA3000, MG1050, MT2050, MT4200

Students residing in the state of Texas:

▲ must take HI2050 American History Since 1877 and SO2200 US Government or approved equivalents.

Block transfer is not available to these students.

Residents of the state of Minnesota or students attending any Minnesota campus:

must take at least four courses at the 3000+ level in EN, FL, HI, HU, MA, PS, SC or SO

Block transfer is not available to these students.

Graduation Requirements: A minimum 2.0 GPA is required overall and in the Management Major Core. See the "Graduation Requirements" section of the catalog for additional requirements.

(The university reserves the right to correct clerical errors.)

**Applied Management
Bachelor of Science Degree
186 Credits**

Offered at Overland Park and Wichita.

Applied Management Major Core		Prerequisites	Credit Hours	
(A minimum of 31 of the following 66 credits must be earned at NAU.)				
AC1060	Principles of Accounting I		4.5	_____
AC1160	Principles of Accounting II	AC1060	4.5	_____
FN3000	Business Finance I	AC1160/MA1500	4.5	_____
LA3100	Business Law		4.5	_____
MG1050	Principles of Marketing		4.5	_____
MT2050	Principles of Management		4.5	_____
MT3000+	Elective (Exclusive of Internship)		4.5	_____
MT3050	Human Resource Management	MT2050/EN1300	4.5	_____
MT3250	Organizational Behavior	MT2050/EN1300	4.5	_____
MT3500	Managing Information Systems	CI1150^/MT2050	4.5	_____
MT4000	Operations Management	MT2050/MA2050	4.5	_____
MT4200	Business Ethics	MT2050/EN1300	4.5	_____
MT4300	Management Across Cultures	MT3250/EN1300	4.5	_____
MT4440	Business Management Review	***	3	_____
MT4450	Strategic Management**	MT4440	<u>4.5</u>	_____
			75	
Emphasis Support Core (22.5)				
Must be courses at the 3000+ level coded AC, CI, EC, FN, LA, MG, MT or OL			<u>22.5</u>	_____
			22.5	
Specialty/Technical/Vocational Core (22.5)				
			<u>22.5</u>	_____
			22.5	

Open Electives			<u>18</u>	
			18	
GENERAL EDUCATION CORE (57)				
Not available for block transfer				
COMMUNICATIONS				
EN1150	Composition I	EN0500/ES2030^	4.5	
EN1300	Composition II	EN1150	4.5	
EN2100 or	Speech or			
EN2150	Interpersonal Prof. Communications	EN1150	4.5	
EN3050	Technical Communications	EN1300	<u>4.5</u>	
			18	
SCIENCE				
	Science Elective		<u>4.5</u>	
			4.5	
MATHEMATICS				
MA2050	College Algebra	MA1500^	4.5	
MA3000	Business Statistics	MA2050	<u>4.5</u>	
			9	
HUMANITIES				
	Humanities Elective		<u>4.5</u>	
			4.5	
BEHAVIORAL/SOCIAL SCIENCE				
EC2050	Macroeconomics		4.5	
EC2100	Microeconomics	EC2050	4.5	
	Behavioral/Social Science Elective		<u>4.5</u>	
			13.5	
GENERAL EDUCATION				
	General Education Elective		4.5	
CS2080	Career Management	Advisor approval	<u>3</u>	
			7.5	

^Or placement recommendation

**CAPSTONE COURSE - Senior level, minimum "C" grade required, must be completed at NAU.

*** AC1160, EC2100, FN3000, LA3100, MA3000, MG1050, MT2050, MT4200

Graduation Requirements: A minimum 2.0 GPA is required overall and in the Management Major Core. See the "Graduation Requirements" section of the catalog for additional requirements.

(The university reserves the right to correct clerical errors.)

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**Applied Management
Associate of Applied Science
93 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita and Zona Rosa. This program is also offered through NAU's distance learning program.

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**Business Administration
Bachelor of Science
186 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita and Zona Rosa. This program is also offered through NAU's distance learning program.

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**Business Administration
Associate of Applied Science
93 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita and Zona Rosa. This program is also offered through NAU's distance learning program.

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**Business Administration
Bachelor of Science Degree
With Emphasis in Accounting
186 Credits**

Offered at Albuquerque, Austin, Denver, Ellsworth, Independence, Lee's Summit, Overland Park, Rapid City, Rio Rancho and Sioux Falls. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

Business Administration Major Core		Prerequisites	Credit Hours	
(A minimum of 40.5 of the following 79.5 credits must be earned at NAU.)				
AC1060	Principles of Accounting I		4.5	_____
AC1160	Principles of Accounting II	AC1060	4.5	_____
AC1260	Principles of Accounting III	AC1160	4.5	_____
EC2050	Macroeconomics		4.5	_____
EC2100	Microeconomics	EC2050	4.5	_____
FN3000	Business Finance I	AC1160/MA1500	4.5	_____
LA3100	Business Law		4.5	_____
MG1050	Principles of Marketing		4.5	_____
MT2050	Principles of Management		4.5	_____
MT3000	International Business	MG1050 or MT2050/EN1300	4.5	_____
MT3050	Human Resource Management	MT2050/EN1300	4.5	_____
MT3250	Organizational Behavior	MT2050/EN1300	4.5	_____
MT3500	Managing Information Systems	CI1150^/MT2050	4.5	_____
MT4000	Operations Management	MA2050/MT2050	4.5	_____
MT4200	Business Ethics	MT2050/EN1300	4.5	_____
MT4210	Quantitative Analysis	MA2050/MA3000	4.5	_____
MT4440	Business Management Review	***	3	_____
MT4450	Strategic Management **	MT4440	4.5	_____
			79.5	
Accounting Emphasis Core				
(A minimum of 18 of the following 31.5 credits must be earned at NAU.)				
AC3050♦	Intermediate Accounting I	AC1160	4.5	_____
AC3100♦	Intermediate Accounting II	AC3050	4.5	_____
AC3150♦	Intermediate Accounting III	AC3100	4.5	_____
AC3400	Federal Income Tax I	AC1160	4.5	_____
AC3450	Federal Income Tax II	AC3400/EN1300	4.5	_____
<u>AC3560</u>	Accounting Information Systems	AC1260/CI1150^	4.5	_____
AC4050	Advanced Accounting I	AC3150	4.5	_____
			31.5	
Open Electives			<u>9</u>	_____
			9	
GENERAL EDUCATION CORE 66)				
General Education (31.5) (Available for block transfer) ##				
COMMUNICATIONS				
EN1150	Composition I	EN0500/ES2030^	4.5	_____
			4.5	
SCIENCE				
	Science Electives		<u>9</u>	_____
			9	
HUMANITIES				
	Humanities Electives		<u>9</u>	_____
			9	
BEHAVIORAL/SOCIAL SCIENCE				
	Behavioral/Social Science Electives	▲	<u>9</u>	_____
			9	

General Education (34.5) (Course-by-course transfer)

COMMUNICATIONS				
EN1300	Composition II	EN1150	4.5	_____
EN2100 or	Speech or			
EN2150	Interpersonal Prof. Communications	EN1150	4.5	_____
EN3050	Technical Communications	EN1300	4.5	_____
			<u>13.5</u>	
MATHEMATICS				
MA2050	College Algebra	MA1500^	4.5	_____
MA3000	Business Statistics	MA2050	4.5	_____
			<u>9</u>	
GENERAL EDUCATION				
CS1500	Strategies for Success	>>	4.5	_____
CS2080	Career Management	Advisor approval	3	_____
			<u>7.5</u>	
COMPUTER LITERACY				
	Introduction to CIS or CI Elective		4.5	_____
			<u>4.5</u>	

◆ Required

**CAPSTONE COURSE - Senior level, minimum "C" grade required, must be completed at NAU.

***AC1160, EC2100, FN3000, LA3100, MA3000, MG1050, MT2050, MT4200

^Or placement recommendation

Students residing in the state of Texas:

▲ must take HI2050 American History Since 1877 and SO2200 US Government or approved equivalents

>> must take a general education elective in place of CS1500 Strategies for Success

Block transfer is not available to these students.

Residents of the state of Minnesota or students attending any Minnesota campus:

must take at least four courses at the 3000+ level in EN, FL, HI, HU, MA, PS, SC or SO

Block transfer is not available to these students.

Graduation Requirements: A minimum 2.0 GPA is required overall and in the Business Administration Major Core and the Accounting Emphasis Core. See the "Graduation Requirements" section of the catalog for additional requirements.

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**Business Administration
Bachelor of Science Degree
With Emphasis in Financial Management
186 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown and Wichita. This program is also offered through NAU's distance learning program.

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**Business Administration
Bachelor of Science
With Emphasis in Human Resource Management
186 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita and Zona Rosa. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

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**Business Administration
Bachelor of Science Degree
With Emphasis in Information Systems
186 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, and Wichita. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

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**Business Administration
Bachelor of Science
With Emphasis in International Business
186 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, and Wichita. This program is also offered through NAU's distance learning program.

The international business emphasis area of this program is only offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

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**Business Administration
Bachelor of Science
With Emphasis in Management
186 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, and Wichita. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

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**Business Administration
Bachelor of Science
With Emphasis in Marketing
186 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, and Wichita. This program is also offered through NAU's distance learning program.

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**Business Administration
Bachelor of Science
With Emphasis in Pre-Law
186 Credits**

Offered at Independence, Lee's Summit, Overland Park, Rapid City and Sioux Falls.

Criminal Justice

The following are additions to the Criminal Justice section on pages 88-92:

The following paragraph will be added to the BS Criminal Justice and the AAS Criminal Justice program descriptions: "Students entering the Criminal Justice Program should be aware that graphic images depicting violent crimes are utilized as teaching tools in various courses. Students should be prepared to view these images and to engage in discussions regarding these images as part of their required learning activities."

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**Criminal Justice
Bachelor of Science Degree
187.5 Credits**

The blended delivery format is offered at Albuquerque, Austin, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita, and Zona Rosa and requires

students to complete the Criminal Justice Major Core through NAU's distance learning program. This program is also offered through NAU's distance learning program and at Bloomington.

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**Criminal Justice
Associate of Applied Science
93 Credits**

The blended delivery format is offered at Albuquerque, Austin, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita, and Zona Rosa and requires students to complete the Criminal Justice Major Core through NAU's distance learning program. This program is also offered through NAU's distance learning program and at Bloomington.

Health and Beauty Management

The following are additions to the Health and Beauty Management section on pages 92-93:

(page 92)

**Health and Beauty Management
Associate of Applied Science Degree
100.5 Credits**

The blended delivery format is offered at Albuquerque, Austin, Colorado Springs, Denver, Rapid City, Rio Rancho, Sioux Falls and Watertown and requires students to complete the Major Core through NAU's distance learning program. This program is also offered through NAU's distance learning program in all states except Minnesota.

Healthcare Management

The following are additions to the Healthcare Management section on pages 93-95:

(page 93)

**Healthcare Management
Bachelor of Science
187 Credits**

The blended delivery format is offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita and Zona Rosa and requires students to complete the Healthcare Management Major Core through NAU's distance learning program. This program is also offered through NAU's distance learning program.

Information Technology

The following are additions to the Information Technology section on pages 96-112:

The course code for CI3670D Supporting Windows Vista was revised to CI3670 and was updated in the following programs: Microsoft System Administrator Professional Diploma, Microsoft System Engineer Professional Diploma, and Network and Server Engineer Professional Diploma.

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**Applied Information Technology
Bachelor of Science**

The applied information technology degree is designed to provide the flexibility to integrate specialized technology and skills into a customized information technology program. It is intended for individuals with degrees, diplomas, certificates or certifications in specialty areas, such as information technology, computer science, programming, networks, computer aided design and database, or other related areas. A minimum of 27 credit hours in one specialty area is required to complete this program. This degree prepares the graduate for

advancement in management or technical areas associated with their specialty field. Two options are available under this program: (1) transfer of credit from the source of the specialty training, or (2) creation of a specialty area using approved National American University courses.

Program Goals

The program will:

- provide students with knowledge of current information technology, the foundation knowledge of business operations and practices, and the analytical skills to support the information needs of a business.
- develop the problem-solving skills needed to adapt technology to meet the needs of business.
- provide students with methods to analyze, design, implement and maintain computer-based information systems to support the decision-making function of management.
- provide a balanced curriculum that addresses the knowledge and skills related to programming, databases, operating systems, and networking in business environments.
- prepare students to secure positions commensurate with their emphasis areas (network administration, network management, management information systems, programming, or Web development).
- encourage students to participate in continuing education activities and maintain professional memberships.
- measure key student learning outcomes continuously, and identify and implement opportunities for improvement.

Student Learning Outcomes

Graduates of the program will:

- support the data management needs of business through the design, implementation and maintenance of relational databases.
- solve a variety of business problems through the application of structured program analysis and design concepts.
- explain current networking technologies including local area networks, wide area networks, the Internet, and the hardware and software used in constructing a network infrastructure.
- implement and manage commonly used computer operating systems including both proprietary and open source systems.
- identify, describe, install and configure the hardware associated with personal computer systems.
- establish the information technology needs of a business and plan an appropriate solution and procurement strategy.
- demonstrate the use of project management techniques within an appropriate system analysis and design life cycle framework to develop an information system.
- administer a network infrastructure designed to support management and production functions in business or industry.

Applied Information Technology Bachelor of Science Degree 186 Credits

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Minnetonka, Rapid City, Rio Rancho, Roseville, Sioux Falls and Watertown. This program is also offered through NAU’s distance learning program.

Information Technology Major Core (A minimum of 27 of the following 49.5 credits must be earned at NAU.)	Prerequisites	Credit Hours
CI1420 Principles of Programming	(1)	4.5 _____
CI2010 Database for Windows	CI1150^	4.5 _____
CI2211 Internetworking Fundamentals	CI1150^	4.5 _____
CI2430 Computer Concepts	CI1150^	4.5 _____
CI3010 Linux	CI2430	4.5 _____
CI3090 Database Design & Query Concepts	CI1420/ CI2010	4.5 _____
CI3155 Computer Ethics	CI1150^/EN1300	4.5 _____
CI3310 Web site and Web Application Design	CI1150^/EN1300	4.5 _____
CI4220/MT4230 Project Management	CI1150^/MT2050	4.5 _____
CI4221 Systems Analysis and Design	Jr. status	4.5 _____
CI4222 Integrative Systems Project**	(2)	4.5 _____
		49.5
Support Core (18)		
AC1060 Principles of Accounting I		4.5 _____
AC1160 Principles of Accounting II	AC1060	4.5 _____
MG1050 Principles of Marketing		4.5 _____
MT2050 Principles of Management		4.5 _____
		18

Specialty Information Technology Core* (Maximum 43.5/Minimum 27 credits in the specialty area.)

If the maximum 43.5 credits are not met in the specialty core, the difference must be made up by choosing open electives.

Students must have at least three specialty courses that are different from any other BS IT emphasis program in which they are enrolled.

Open Electives			<u>18</u>	
			18	
	GENERAL EDUCATION CORE (57)			
	General Education (Available for block transfer – 22.5) ##			
	COMMUNICATIONS			
EN1150	Composition I	EN0500/ES2030^	<u>4.5</u>	
			4.5	
	SCIENCE			
	Science Elective		<u>4.5</u>	
			4.5	
	HUMANITIES			
	Humanities Elective		<u>4.5</u>	
			4.5	
	BEHAVIORAL/SOCIAL SCIENCE			
	Behavioral/Social Science Elective	▲	<u>4.5</u>	
			4.5	
	GENERAL EDUCATION			
	General Education Elective	▲	<u>4.5</u>	
			4.5	
General Education (34.5) (Course-by-course transfer)				
	COMMUNICATIONS			
EN1300	Composition II	EN1150	4.5	
EN2100 or	Speech or			
EN2150	Interpersonal Prof. Communications	EN1150	4.5	
EN3050	Technical Communications	EN1300	<u>4.5</u>	
			13.5	
	MATHEMATICS			
MA2050	College Algebra	MA1500^	4.5	
MA3000	Business Statistics	MA2050	<u>4.5</u>	
			9	
	BEHAVIORAL/SOCIAL SCIENCE (9)			
EC2050	Macroeconomics		4.5	
EC2100	Microeconomics	EC2050	<u>4.5</u>	
			9	
	GENERAL EDUCATION			
CS2080	Career Management	Advisor approval	<u>3</u>	
			3	

^ Or placement recommendation

**CAPSTONE COURSE - Senior level, minimum "C" grade required, must be completed at NAU.

*** AC1160, EC2100, FN3000, LA3100, MA3000, MG1050, MT2050, MT4200

Students residing in the state of Texas:

▲ must take HI2050 American History Since 1877 and SO2200 US Government or approved equivalents

Block transfer is not available to these students.

Residents of the state of Minnesota or students attending any Minnesota campus:

must take at least four courses at the 3000+ level in EN, FL, HI, HU, MA, PS, SC or SO

Block transfer is not available to these students.

Graduation Requirements: A minimum 2.0 GPA is required overall in the Information Technology Major Core. See the "Graduation Requirements" section of the catalog for additional requirements.

(The university reserves the right to correct clerical errors.)

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**Information Technology
Bachelor of Science Degree
Emphasis in Internet Systems Development
187.5 Credits**

Offered at Ellsworth, Independence, Lee's Summit and Rapid City. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

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**Information Technology
Bachelor of Science
Emphasis in Management Information Systems
187.5 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita and Zona Rosa. This program is also offered through NAU's distance learning program.

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**Information Technology
Bachelor of Science Degree
Emphasis in Network Administration/Microsoft**

This program provides the student with an in-depth knowledge of network administration. Graduates of this program have all the necessary skills to administer a computer network. The focus is on Microsoft networking and prepares students for the Microsoft Certified, IT Professional; Server Administrative exams.

Program Goals

The program will:

- provide students with knowledge of current information technology, the foundation knowledge of business operations and practices, and the analytical skills to support the information needs of a business.
- develop the problem-solving skills needed to adapt technology to meet the needs of business.
- provide students with methods to analyze, design, implement and maintain computer-based information systems to support the decision-making function of management.
- provide a balanced curriculum that addresses the knowledge and skills related to programming, databases, operating systems, and networking in business environments.
- prepare students to secure positions commensurate with their emphasis areas (network administration, network management, management information systems, programming, Web development)
- encourage students to participate in continuing education activities and maintain professional memberships.
- measure key student learning outcomes continuously, and identify and implement opportunities for improvement.

Student Learning Outcomes

Graduates of the program will:

- support the data management needs of business through the design, implementation and maintenance of relational databases.
- solve a variety of business problems through the application of structured program analysis and design concepts.
- explain current networking technologies including local area networks, wide area networks, the Internet and the hardware and software used in constructing a network infrastructure.
- implement and manage commonly used computer operating systems including both proprietary and open source systems.
- identify, describe, install and configure the hardware associated with personal computer systems.
- establish the information technology needs of a business and plan an appropriate solution and procurement strategy.
- demonstrate the use of project management techniques within an appropriate system analysis and design life cycle framework to develop an information system.
- administer a network infrastructure designed to support management and production functions in business or industry.

**Information Technology
Bachelor of Science
Emphasis in Network Administration/Microsoft
187.5 Credits**

Offered at Colorado Springs.

Information Technology Major Core		Prerequisites	Credit Hours	
(A minimum of 27 of the following 49.5 credits must be earned at NAU.)				
CI1420	Principles of Programming	(1)	4.5	_____
CI2010	Database for Windows	CI1150^	4.5	_____
CI2211	Internetworking Fundamentals	CI1150^	4.5	_____
CI2430	Computer Concepts	CI1150^	4.5	_____
CI3010	Linux	CI2430	4.5	_____
CI3090	Database Design & Query Concepts	CI1420/CI2010	4.5	_____
CI3155	Computer Ethics	CI1150^/EN1300	4.5	_____
CI3310	Web site and Web Application Design	CI1150^/EN1300	4.5	_____
CI4220/MT4230	Project Management	CI1150^/MT2050	4.5	_____
CI4221	Systems Analysis and Design	Jr. status	4.5	_____
CI4222	Integrative Systems Project**	(2)	<u>4.5</u>	_____
			49.5	
Support Core				
AC1060	Principles of Accounting I		4.5	_____
AC1160	Principles of Accounting II	AC1060	4.5	_____
EC2050	Macroeconomics		4.5	_____
EC2100	Microeconomics	EC2050	4.5	_____
FN3000	Business Finance I	AC1160/MA1500	4.5	_____
MG1050	Principles of Marketing		4.5	_____
MT2050	Principles of Management		4.5	_____
MT4210	Quantitative Analysis	MA2050/MA3000	<u>4.5</u>	_____
			36	
Network Administration Microsoft Emphasis Core				
(A minimum of 18 of the following 31.5 credits must be earned at NAU, excluding internship.)				
CI3000+	Elective		4.5	_____
CI3000+	Elective		4.5	_____
CI3000+	Elective		4.5	_____
CI3670	Supporting Microsoft Windows Vista	CI1150^	4.5	_____
CI4118	Active Directory Configuration Server 2008	CI4138	4.5	_____
CI4138	Network Infrastructure Configuration Server 2008	CI3670	4.5	_____
CI4148	Administering Windows Server 2008	CI4118	<u>4.5</u>	_____
			31.5	
Open Elective			<u>4.5</u>	_____
			4.5	
GENERAL EDUCATION CORE (66)				
General Education (31.5) (Available for block transfer)				
COMMUNICATIONS				
EN1150	Composition I		<u>4.5</u>	_____
			4.5	
SCIENCE				
	Science Electives		<u>9</u>	_____
			9	
HUMANITIES				
	Humanities Electives		<u>9</u>	_____
			9	
BEHAVIORAL/SOCIAL SCIENCE				
	Behavioral/Social Science Electives		<u>9</u>	_____
			9	
General Education (34.5) (Course-by-course transfer)				
COMMUNICATIONS				
EN1300	Composition II	EN1150	4.5	_____
EN2100 or	Speech or			
EN2150	Interpersonal Prof. Communications	EN1150	4.5	_____
EN3050	Technical Communications	EN1300	<u>4.5</u>	_____
			13.5	
MATHEMATICS				
MA2050	College Algebra	MA1500^	4.5	_____

MA3000	Business Statistics	MA2050	4.5	_____
			9	_____
	GENERAL EDUCATION			
CS1500	Strategies for Success		4.5	_____
CS2080	Career Management	Advisor approval	<u>3</u>	_____
			7.5	_____
	COMPUTER LITERACY			
	Introduction to CIS or CI Elective		4.5	_____
			4.5	_____

^ Or placement recommendation

(1) Algebra Elective/CI1150 or placement recommendation

(2) CI1420, CI2211, CI2430, CI3010, CI3090, CI4220, CI4221

**CAPSTONE COURSE - Senior level, minimum "C" grade required, must be completed at NAU.

Graduation Requirements: A minimum 2.0 GPA is required overall and in the Information Technology Major Core and the Network Administration Emphasis Core. See the "Graduation Requirements" section of the catalog for additional requirements.

(page 106)

Information Technology Bachelor of Science Degree Emphasis in Network Management/Microsoft

This program provides the student with an in-depth knowledge of network design and operation. Graduates of this program have all the necessary skills to manage and provide technical support for a computer network. The focus is on Microsoft networking and prepares students for the Microsoft Certified IT Professional: Enterprise Administrator exams. .

Program Goals

The program will:

- provide students with knowledge of current information technology, the foundation knowledge of business operations and practices, and the analytical skills to support the information needs of a business.
- develop the problem-solving skills needed to adapt technology to meet the needs of business.
- provide students with methods to analyze, design, implement and maintain computer-based information systems to support the decision-making function of management.
- provide a balanced curriculum that addresses the knowledge and skills related to programming, databases, operating systems and networking in business environments.
- prepare students to secure positions commensurate with their emphasis areas (network administration, network management, management information systems, programming, Web development)
- encourage students to participate in continuing education activities and maintain professional memberships.
- measure key student learning outcomes continuously and identify and implement opportunities for improvement.

Student Learning Outcomes

Graduates of the program will:

- support the data management needs of business through the design, implementation and maintenance of relational databases.
- solve a variety of business problems through the application of structured program analysis and design concepts.
- explain current networking technologies including local area networks, wide area networks, the Internet and the hardware and software used in constructing a network infrastructure.
- implement and manage commonly used computer operating systems including both proprietary and open source systems.
- identify, describe, install and configure the hardware associated with personal computer systems.
- establish the information technology needs of a business and plan an appropriate solution and procurement strategy.
- demonstrate the use of project management techniques within an appropriate system analysis and design life cycle framework to develop an information system
- design, implement and manage a network infrastructure to support management and production functions in business or industry.

Information Technology Bachelor of Science Emphasis in Network Management/Microsoft 187.5 Credits

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Rapid City, Rio Rancho, Roseville and Watertown. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

Information Technology Major Core		Prerequisites	Credit Hours	
(A minimum of 27 of the following 49.5 credits must be earned at NAU.)				
CI1420	Principles of Programming	(1)	4.5	_____
CI2010	Database for Windows	CI1150^	4.5	_____
CI2211	Internetworking Fundamentals	CI1150^	4.5	_____
CI2430	Computer Concepts	CI1150^	4.5	_____
CI3010	Linux	CI2430	4.5	_____
CI3090	Database Design & Query Concepts	CI1420/CI2010	4.5	_____
CI3155	Computer Ethics	CI1150^/EN1300	4.5	_____
CI3310	Web site and Web Application Design	CI1150^/EN1300	4.5	_____
CI4220/MT4230	Project Management	CI1150^/MT2050	4.5	_____
CI4221	Systems Analysis and Design	Jr. status	4.5	_____
CI4222	Integrative Systems Project**	(2)	4.5	_____
			49.5	
Support Core				
AC1060	Principles of Accounting I		4.5	_____
AC1160	Principles of Accounting II	AC1060	4.5	_____
EC2050	Macroeconomics		4.5	_____
EC2100	Microeconomics	EC2050	4.5	_____
FN3000	Business Finance I	AC1160/MA1500	4.5	_____
MG1050	Principles of Marketing		4.5	_____
MT2050	Principles of Management		4.5	_____
MT4210	Quantitative Analysis	MA2050/MA3000	4.5	_____
			36	
Network Management/Microsoft Emphasis Core				
(A minimum of 18 of the following 31.5 credits must be earned at NAU.)				
CI1300+	Elective		4.5	_____
CI1300+	Elective		4.5	_____
CI3670	Supporting Microsoft Windows Vista	CI1150^	4.5	_____
CI4118	Active Directory Configuration	CI4138	4.5	_____
CI4138	Network Infrastructure Configuration Server 2008	CI3670<	4.5	_____
CI4158	Application Infrastructure Configuration Server 2008	CI4138	4.5	_____
CI4168	Enterprise Administration Server 2008	CI4118/CI4158	4.5	_____
			31.5	
Open Elective			4.5	_____
			4.5	
GENERAL EDUCATION CORE (66)				
General Education (31.5) (Available for block transfer) ##				
COMMUNICATIONS				
EN1150	Composition I		4.5	_____
			4.5	
SCIENCE				
	Science Electives		9	_____
			9	
HUMANITIES				
	Humanities Electives		9	_____
			9	
BEHAVIORAL/SOCIAL SCIENCE				
	Behavioral/Social Science Electives	▲	9	_____
			9	
General Education (34.5) (Course-by-course transfer)				
COMMUNICATIONS				
EN1300	Composition II	EN1150	4.5	_____
EN2100 or	Speech or			
EN2150	Interpersonal Prof. Communications	EN1150	4.5	_____
EN3050	Technical Communications	EN1300	4.5	_____
			13.5	
MATHEMATICS				
MA2050	College Algebra	MA1500^	4.5	_____

MA3000	Business Statistics	MA2050	4.5	_____
			9	
	GENERAL EDUCATION			
CS1500	Strategies for Success	>>	4.5	_____
CS2080	Career Management	Advisor approval	<u>3</u>	_____
			7.5	
	COMPUTER LITERACY			
	Intro. to CIS or CI Elective		4.5	_____
			4.5	

^ Or placement recommendation

(1) Algebra elective/CI1150 or placement recommendation

(2) CI1420, CI2211, CI2430, CI3010, CI3090, CI4220, CI4221

**CAPSTONE COURSE - Senior level, minimum "C" grade required, must be completed at NAU.

Students residing in the state of Texas:

▲ must take HI2050 American History Since 1877 and SO2200 US Government or approved equivalents

Block transfer is not available to these students.

Residents of the state of Minnesota or students attending any Minnesota campus:

must take at least four courses at the 3000+ level in EN, FL, HI, HU, MA, PS, SC or SO

Block transfer is not available to these students.

Graduation Requirements: A minimum 2.0 GPA is required overall and in the Information Technology Major Core and the Network Management Microsoft Emphasis Core. See the "Graduation Requirements" section of the catalog for additional requirements.

(The university reserves the right to correct clerical errors.)

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**Information Technology
Associate of Applied Science
93 Credits**

Offered at Albuquerque, Austin, Bloomington, Brooklyn Center, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita and Zona Rosa. This program is also offered through NAU's distance learning program. Some or all of the emphasis area courses may not be offered at the student's home campus.

**Information Technology
Diploma**

Microsoft Certified IT Professional: Enterprise Administrator

This program provides students with an in-depth knowledge of network design and operation. Graduates of this program have the necessary skills to manage and provide technical support for a computer network. The focus is on Microsoft networking and prepares students to take the Microsoft Certified IT Professional: Enterprise Administrator exams..

Program Goals

The program will:

- assist students in developing the problem-solving skills needed to adapt technology to meet the needs of business.
- provide students with methods to analyze, design, implement and maintain computer-based information systems to support the decision-making function of management.
- prepare students to secure positions commensurate with their major core areas (network administration, network management, network and server management)
- encourage students to participate in continuing education activities and maintain professional memberships.
- measure key student learning outcomes continuously and identify and implement opportunities for improvement.

Student Learning Outcomes

Graduates of the program will:

- install, maintain and troubleshoot current networking technologies including local area networks, wide area networks, the Internet, and the hardware and software used in constructing a network infrastructure.
- implement and manage commonly used computer operating systems, including both proprietary and open source systems.
- examine, install and configure the hardware associated with personal computer systems.

- design, implement and manage a network infrastructure to support management and production functions in business or industry.
- analyze business requirements to define information systems solutions in an enterprise environment.
- apply ethical decision-making models in the information technology environment.

**Microsoft Certified IT Professional
Enterprise Administrator
Professional Diploma
54.5 Credits**

This program is only available through the university's affiliation between New Horizons and the NAU distance learning program, pending external approval. Students should visit with their academic advisor to determine whether this option may be available to them.

MCITP Enterprise Administrator Major Core		Prerequisites	Credit Hrs.	
(A minimum of 18 of the following 41 credits must be earned at NAU.)				
CI2211	Internetworking Fundamentals	CI1150^	4.5	_____
CI2430	Computer Concepts	CI1150^	4.5	_____
CI3155	Computer Ethics	CI1150^/EN1300	4.5	_____
CI3670	Supporting Windows Vista	CI1150^	4.5	_____
CI3810D	Configuring Identity and Access Solutions Server 2008	CI3670	2.5	_____
CI3820D	Designing and Applications Infrastructure Server 2008	CI3810D	2.5	_____
CI2148D	Active Directory Domain Services Configuration Server 2008	CI4138	4.5	_____
CI4138	Network Infrastructure Configuration Server 2008	CI3670	4.5	_____
CI4158	Application Infrastructure Configuration Server 2008	CI4138	4.5	_____
CI4178D	Designing a Network Infrastructure Server 2008	CI4128D/ CI4158	<u>4.5</u>	_____
			41	
GENERAL EDUCATION CORE (13.5)				
COMMUNICATIONS				
EN1150	Composition I	EN0500/EN2030^	4.5	_____
EN1300	Composition II	EN1150	<u>4.5</u>	_____
			9	
MATHEMATICS				
	Algebra Elective		<u>4.5</u>	_____
			4.5	

^ Or placement recommendation

Graduation Requirements: A minimum 2.0 GPA is required overall and in the MCITP Enterprise Administrator Major Core. See the "Graduation Requirements" section of the catalog for additional requirements.

**Information Technology
Diploma**

Microsoft Certified IT Professional: Server Administrator

This program provides students with an in-depth knowledge of network administration. Graduates of this program have the necessary skills to administer a computer network. The focus is on Microsoft networking and prepares students to take the MCITP: Server Administrator Exams.

Program Goals

The program will:

- assist students in developing the problem-solving skills needed to adapt technology to meet the needs of business.
- provide students with methods to analyze, design, implement and maintain computer-based information systems to support the decision-making function of management.
- prepare students to secure positions commensurate with their major core areas (network server administration and network enterprise administration).
- encourage students to participate in continuing education activities and maintain professional memberships.
- measure key student learning outcomes continuously and identify and implement opportunities for improvement.

Student Learning Outcomes

Graduates of the program will:

- install, maintain and troubleshoot current networking technologies including local area networks, wide area networks, the Internet, and the hardware and software used in constructing a network infrastructure.
- implement and manage commonly used computer operating systems, including both proprietary and open source systems.
- examine, install and configure the hardware associated with personal computer systems.
- design, implement and manage a network infrastructure to support management and production functions in business or industry.
- analyze business requirements to define information systems solutions.
- apply ethical decision-making models in the information technology environment.

Microsoft Certified IT Professional Server Administrator Professional Diploma 52 Credits

This program is only available through the university's affiliation between New Horizons and the NAU distance learning program, pending external approval. Students should visit with their academic advisor to determine whether this option may be available to them.

MCITP Server Administrator Major Core		Prerequisites	Credit Hrs.	
(A minimum of 18 of the following 38.5 credits must be earned at NAU.)				
CI1420	Principles of Programming	Algebra elective/CI1150^	4.5	_____
CI2010	Database for Windows	CI1150^	4.5	_____
CI2211	Internetworking Fundamentals	CI1150^	4.5	_____
CI2430	Computer Concepts	CI1150^	4.5	_____
CI3155	Computer Ethics	CI1150^/EN1300	4.5	_____
CI3810D	Configuring Identity and Access Solutions Server 2008	CI4138	2.5	_____
CI4128D	Active Directory Domain Services Configuration Server 2008	CI3810D	4.5	_____
CI4138	Network Infrastructure Configuration Server 2008	CI2211	4.5	_____
CI4148	Administering Windows Server 2008	CI4128D	4.5	_____
			38.5	
GENERAL EDUCATION CORE (13.5)				
COMMUNICATIONS				
EN1150	Composition I	EN0500/ES2030^	4.5	_____
EN1300	Composition II	EN1150	4.5	_____
			9	
MATHEMATICS				
	Algebra Elective		4.5	_____
			4.5	

^ Or placement recommendation

Graduation Requirements: A minimum 2.0 GPA is required overall and in the MCITP Server Administrator Major Core. See the "Graduation Requirements" section of the catalog for additional requirements.

Legal Studies

The following are additions to the Legal Studies section on pages 112-116:

(page 113)

Paralegal Studies Bachelor of Science Degree 187 Credits

Offered at Bloomington, Brooklyn Center, Independence, Lee's Summit, Overland Park, Rapid City, Roseville, Sioux Falls and Zona Rosa.

(page 116)

**Paralegal Studies
Associate of Applied Science Degree
97.5 Credits**

Offered at Bloomington, Brooklyn Center, Independence, Lee's Summit, Overland Park, Rapid City, Roseville, Sioux Falls and Zona Rosa. The Rapid City program is approved by the American Bar Association.

National American University School Of Nursing

The following are additions to the School of Nursing section on pages 116-125:

(page 122)

**Online RN to BSN
190 Credits**

General education courses are offered online and at Albuquerque, Bloomington, Brooklyn Center, Colorado Springs, Denver, Independence, Lee's Summit, Minnetonka, Overland Park, Rapid City, Rio Rancho, Roseville, Sioux Falls, Watertown, Wichita, and Zona Rosa.

Offered through NAU's distance learning program in all states except Texas.

Organizational Leadership

The following are additions to the Organizational Leadership section on page 128:

**Organizational Leadership
Bachelor of Science Degree
184.5 Credits**

Offered at Albuquerque, Austin, Colorado Springs, Denver, Ellsworth, Independence, Lee's Summit and Rio Rancho. This program is also offered through NAU's distance learning program.

Course Descriptions

AT2500 Clinical Experience I has been changed to AT2500 Athletic Training Competency Review I
AT3500 Clinical Experience II has been changed to AT3500 Athletic Training Competency Review II
AT4500 Clinical Experience III has been changed to AT4500 Athletic Training Competency Review III

The following are additions/modifications to the Course Descriptions section on pages 133-173:

CI2211 – Internetworking Fundamentals – 4.5 credits

Students will develop a foundation in current networking technologies including, local area networks (LANs), wide area networks (WANs), the Internet, and the hardware and software associated with networking. This also includes; terminology, components, design, and connectivity, as well as, LAN topologies, protocols and wireless networks. This course also covers LAN user concepts, basic functions of system administration and operation, and basic concepts involved in establishing a small, routed computer network.

Prerequisite: CI1150 or placement recommendation

Delivery: on-ground and online

CI3155 – Computer Ethics – 4.5 credits

Students will be exposed to extensive and topical coverage of computer and technology-related ethics issues such as file sharing, infringement of intellectual property, security risks, Internet crime, identity theft, employee surveillance, privacy, and compliance. Students will gain an excellent foundation in ethical decision-making for current and future business managers and IT professionals.

Prerequisite: CI1150 or placement recommendation/ EN1300

Delivery: on-ground and online

CI3380 – Client Side Scripting and Open Communications – 4.5 credits

This course develops basic competency in the HTML, XHTML and JavaScript programming concepts. This course begins with an explanation of HTML and then guides the student into learning how to create Web pages that actually respond to and interact with the Web browser through JavaScript. Students learn how to write not only JavaScript that can stand on its own within a Web page, but also how to write scripts that call functions or otherwise interact with applications written in other development languages. (P)

Prerequisite: CI2370

Delivery: on-ground and online

CI3670 - Supporting Windows Vista – 4.5 credits

This course is to provide individuals who are new to Windows Vista with the knowledge necessary to understand and identify the tasks involved in supporting Windows Vista networks. *This course will help the students prepare for the following Microsoft Certified Professional exam: Exam 70-620; Installing, Configuring, and Administering Microsoft Windows Vista.*

Prerequisite: CI1150 or placement recommendation

Delivery: on-ground and online

CI3810D – Configuring Identity and Access Solutions - Server 2008 – 2.5 credits

This course provides students with the knowledge and skills needed to configure identity and access solutions with Windows Server 2008 Active Directory. It will provide students with the knowledge and skills to implement and manage Active Directory Certificate Services, Lightweight Directory services, Federation services, and Rights Management services. *This course will help the student prepare for the following MCITP exam; 70-640 Configuring Windows Server 2008 Active Directory.*

Prerequisite: CI3670 or CI3650

Delivery: online

CI3820D – Designing an Applications Infrastructure Server 2008 – 2.5 credits

Students will gain the knowledge and skills required to design application infrastructure solutions based on Windows Server 2008 that will meet varying business and technical requirements. The main focus is on Web services and Terminal Services. *This course will help the student prepare for the following MCITP exam; 70-647 Window Server 2008 Enterprise Administrator.*

Prerequisite: CI4128D or CI4118

Delivery: online

CI4118 – Active Directory Configuration - Server 2008 – 4.5 credits

Students will develop the knowledge and skills needed to configure Active Directory Domain Services in a distributed environment, implement Group Policies, Certificate services, and Lightweight Directory services, perform backup and restore, and monitor and troubleshoot Active Directory related issues. *This course will help the student prepare for the following MCITP exam; 70-640 Configuring Windows Server 2008 Active Directory.*

Prerequisite: CI4138

Delivery: on-ground and online

CI4128D – Active Directory Domain Services Configuration - Server 2008 – 4.5 credits

This course provides students with the knowledge and skills needed to configure Active Directory Domain Services in a distributed environment, implement Group Policies, perform backup and restore, and monitor and troubleshoot Active Directory related issues. *This course will help the student prepare for the following MCITP exam; 70-640 Configuring Windows Server 2008 Active Directory.*

Prerequisite: CI3810D

Delivery: online

CI4138 – Network Infrastructure Configuration - Server 2008 – 4.5 credits

This course provides students with the skills and knowledge necessary to configure a Windows-based computer to operate in a Microsoft Windows Server 2008 networking infrastructure. It will provide students with the knowledge and skills to implement and manage a Microsoft Windows Server 2008 network infrastructure. These tasks include implementing routing; implementing and managing Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS); and Windows Internet Name Service (WINS); securing Internet Protocol (IP) traffic with Internet Protocol security (IPSec); configuring a network access infrastructure by configuring the connections for remote access clients, and managing and monitoring network access. *This course will help the student prepare for the following MCITP exam; 70-642 Window Server 2008 Network Infrastructure Configuration.*

Prerequisite: CI3670 or CI3650

Delivery: on-ground and online

CI4148 – Administering Windows Server 2008 – 4.5 credits

This course provides students with the knowledge and skills to plan, manage, and maintain Windows Server 2008 servers. Windows server administration tasks include managing the infrastructure, Web, and IT application servers as well as managing the server operating system, file, and directory services, software distribution, and troubleshooting. *This course will help the student prepare for the following MCITP exam; 70-646 Window Server 2008 Server Administration.*

Prerequisite: CI4138

Delivery: on-ground and online

CI4158 – Application Infrastructure Configuration - Server 2008 – 4.5 credits

This course will provide students with the knowledge and skills needed to install, configure, maintain, and troubleshoot an Internet Information Services (IIS) 7.0 Web Server and to configure, manage, monitor, and troubleshoot a Terminal Services (TS) environment. *This course will help the student prepare for the following MCITP exam; 70-643 Configuring Window Server 2008 Applications Infrastructure.*

Prerequisite: CI4138

Delivery: on-ground and online

CI4178D – Designing a Network Infrastructure Server 2008 – 4.5 credits

Students will gain the knowledge and skills in this course to design a Windows Server 2008 Network infrastructure that meets business and technical requirements for network services. The focus will be on network solutions. *This course will help the student prepare for the following MCITP exam; 70-647: Windows Server 2008, Enterprise Administrator.*

Prerequisite: CI3820D

Delivery: online

CJ4900 – Criminal Justice Capstone – 4.5 credits

This course is the final application and explanation course for the criminal justice degree. In this course students will focus upon: making a connection between course content, skills learned, and applied contexts; self reflection pertaining to their individual criminal justice college experience; and criminal justice employment issues. Emphasis will be placed on using theory and case studies to explain policy, the use of research results to inform and or evaluate policy, enhanced understanding of criminal justice operations, the use of professional decision making and leadership skill, and the enhancement of communications in criminal justice work.

Prerequisite: Senior Status and all CJ courses completed prior to enrollment.

Delivery: on-ground and online

EN0500-0501 – Foundations of English – 0 credits

This developmental course is designed to help students make the transition to essay writing in college composition courses. The course focus is on grammar and the correct form of paragraphs and essays. Using a combination of instructor-facilitated activities and a self-paced mastery program, students will work to improve their grammar skills and their ability to plan, draft, revise, and edit sentences, paragraphs and short essays.

Prerequisite: Placement Recommendation

Delivery: on-ground and online

EN0505 – Foundations of English – 2 credits

This developmental course is designed to help students make the transition to essay writing in college composition courses. The course focus is on grammar and the correct form of paragraphs and essays. Using a combination of instructor-facilitated activities and a self-paced mastery program, students will work to improve their grammar skills and their ability to plan, draft, revise, and edit sentences, paragraphs and short essays. (4 hours lab/week)

Prerequisite: EN0501

Delivery: on-ground and online

HB2100 – Mastering Cosmetology Business – 6 credits

This course is designed to add business skills to students' industry knowledge and experiences through studies in management, marketing, communication, and career management. Previous education and practical experiences will be integrated with knowledge and skills from the business field. Students will gain a fundamental knowledge of business development, operations, and management as it relates to the health and beauty industry.

Delivery: on-ground and online

MA0900-0901 – Foundations of Mathematics – 0 credits

This developmental course is designed to help students make the transition from arithmetic to college-level algebra and encourage success in college mathematics courses. Students will work in a self-paced mastery program designed to improve their basic mathematics and introductory algebra skills. Study topics will include whole numbers, decimals, fractions, proportions, percentages, signed numbers, real numbers and algebraic expressions, linear equations and inequalities, and polynomials.

Prerequisite: Placement Recommendation

Delivery: on-ground and online

MA0905 – Foundations of Mathematics – 2 credits

This developmental course is designed to help students make the transition from arithmetic to college-level algebra and encourage success in college mathematics courses. Students will work in a self-paced mastery program designed to improve their basic mathematics and introductory algebra skills. Study topics will include whole numbers, decimals, fractions, proportions, percentages, signed numbers, real numbers and algebraic expressions, linear equations and inequalities, and polynomials. (4 hours lab/week)

Prerequisite: MA0901

Delivery: on-ground and online

ME2250 – Medical Law and Ethics – 4 credits

This course emphasizes legal principles, procedures, and regulations which affect the control, use and release of health information, including HIPAA.

Prerequisite: ME1100 or HT1100D/EN1300

Delivery: on-ground

ME3330D – Medical Staff Services Management Externship – 6 credits

The medical staff services management externship is designed to allow students to obtain practical experience in a credentialing verification setting. The externship provides the student an opportunity to apply the principles and practices of credentialing and medical staff services management in a supervised setting at an approved site.

Prerequisite: Program Coordinator Approval

Delivery: online

MT3450/SO3450 – International Relations – 4.5 credits

This course addresses selected topics in the field of international relations. Students will analyze important historical events, the nature of power politics, tools of foreign policy, international trade dimensions, along with current issues and ethical considerations implicit in the field. Through a guided examination and reflection of such topics, students will become better informed citizens in a world that is becoming ever more globalized.

Prerequisite: MT2050/MT3000

Delivery: on-ground and online

PL3400 – Evidence/Exclusionary Rule – 4.5 credits

This course introduces students to the intriguing and complex rules that govern the admission of evidence at trial. Through the study of the Federal Rules of Evidence, supplemented by numerous examples, students acquire a fundamental knowledge and understanding of the purpose and procedures related to the law of evidence.

Prerequisite: PL3150 or Junior status

Delivery: on-ground

TH1900-2990 – Special Topics in Therapeutic Massage – 1-4.5 credits

Topics will vary depending on the interests of the instructor and students.

Prerequisite: Permission of the Academic Dean

Delivery: on-ground

The following are deleted from the Course Descriptions section on pages 133-173:

AC4300 – CPA Problems and Review I

AC4320 – CPA Problems and Review II

AC4350 – Accounting Seminar

AC4400 – CPA Problems and Review III

		Colorado Springs	Denver	Overland Park	Wichita	Brooklyn Center	Bloomington	Mimmetonka	Roseville	Independence	Lee's Summit	Zona Rosa	Albuquerque	Rio Rancho	Elsworth Extension	Rapid City	Sioux Falls	Watertown	Austin	Distance Learning			
		Colorado	Denver	Kansas	Wichita	Brooklyn Center	Bloomington	Mimmetonka	Roseville	Independence	Lee's Summit	Zona Rosa	Albuquerque	Rio Rancho	Elsworth Extension	Rapid City	Sioux Falls	Watertown	Austin	Distance Learning			
Health and Beauty Management AAS		X^	X^										X^	X^		X^	X^	X^	X^	X			
Healthcare Management BS		X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X		
Information Technology	Applied Information Technology AAS	X	X			X	X		X				X	X	X	X	X	X^	X	X			
	Applied Information Technology BS	X	X			X	X	X^	X				X	X	X	X	X	X^	X	X			
	Information Technology AAS	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X		
	Information Technology BS w/emphasis in Network Management/Microsoft	X^	X^			X	X	X^	X^	X	X^		X^	X^	X	X^		X^	X^	X			
	Information Technology BS w/emphasis in Internet Systems Development									X^	X^				X^	X^				X			
	Information Technology BS w/emphasis in Management Information Systems	X^	X^	X^	X^	X^	X^		X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X^	X		
	Information Technology BS w/emphasis in Network Administration/Microsoft	X																					
	Information Technology Diploma Microsoft Certified IT Professional: Enterprise Administrator																					X*	
	Information Technology Diploma Microsoft Certified IT Professional: Server Administrator																						X*
	Information Technology Diploma Microsoft System Administrator																						X*
	Information Technology Diploma Microsoft System Engineer																						X*
Information Technology Diploma Network and Server Engineer																						X*	
Legal Studies	Paralegal Studies AAS			X		X	X	X-	X	X	X^	X				X	X						
	Paralegal Studies BS			X		X	X	X-	X	X	X^	X				X	X						
Nursing	Nursing ASN	X=	X									X											
	Nursing ASN Mobility			X																			
	Nursing BSN					X-	X		X-														
	Nursing Online RN to BSN	X+	X+	X+	X+	X+	X+	X+	X+	X+	X^	X+	X+	X+		X+	X+	X+			X		
	Nursing Practical Nurse Diploma			X																			
Organizational Leadership BS		X	X							X	X^		X	X	X^				X	X			
Veterinary Technology	Veterinary Assisting Diploma															X							
	Veterinary Technology AAS															X							

+ General education courses for the online RN to BSN program are offered at this campus. HA4050 and the Nursing Major Core must be completed through the distance learning program.
- General education courses for the BSN program are offered at this campus. The Nursing Clinical Core must be completed at the Bloomington campus.
= General education courses for the Denver ASN program are offered at this campus. The Nursing Clinical Core must be completed at the Denver Campus.
^ Some of the courses in this program may be offered only through NAU's distance learning program. * This program is approved only through agreements with distance learning affiliates.
~ Only 49% of this degree may be completed at the Education Center, the remaining courses must be completed at another campus.