

NATIONAL AMERICAN UNIVERSITY



CATALOG ADDENDUM 2009 - 2010 Published March 2010

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and supportive learning environment.*

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National American University

CAMPUS LOCATIONS

The following are additions/modifications to the National American University Campus Locations section at the beginning of the Undergraduate Catalog:

BROOKLYN CENTER

6200 Shingle Creek Pkwy, Suite 130

Brooklyn Center, MN 55430

(763) 852-7500

(763) 852-7505 (FAX)

Academics

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

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Block Transfer Policy

National American University's block transfer policy (General Education Equivalency) applies to all bachelor's degree programs with the exception of the following: Athletic Training, Nursing, and the Applied Management program offered in Kansas. All transfer course work must be college level (1000-level or above).

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 Applied Science (AAS), Associate of General Studies degree or a technical Bachelor of Applied Science degree from an accredited institution may be eligible for block transfer in the university's Bachelor of Science in Applied Management and Bachelor of Science in Applied Information Technology degree programs if sufficient transfer credits are available.

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Prerequisites

Some courses require successful completion of other specified courses prior to enrollment to help ensure student success. All requests for prerequisite waiver must be submitted to the associate provost/system vice president for curriculum and instruction.

Students enrolled in the National American University School of Nursing should refer to their School of Nursing handbook for guidelines regarding prerequisites.

Allied Health

The following are additions/modifications to the Allied Health section on pages 44-66:

(page 44)

Health Information Technology AAS Associate of Applied Science Degree

The health information technology program is designed to provide students with a solid foundation in analytical, technical and management skills associated with health information. Through practical approaches and professional domains, students will acquire the essential entry-level competencies to support the principles and management of health information and technologies.

The health information technology occupation is one of the fastest growing professions in one of the fastest growing industries. Health information professionals provide reliable and valid information that drives health care. Health information technicians are specialists in managing medical records, coding and reimbursement, and possess the skills to critically think and problem solve. These professionals play a key role in preparing, analyzing and maintaining health records and are considered experts in assuring the privacy and security of health data.

The health information field is increasingly focusing on electronic patient records, database management and information privacy and security. HIT professionals work in a variety of settings, such as hospitals, physician practices, long-term care, home health care, insurance, managed care, health technology firms, and pharmaceutical companies.

The health information technology program is pending accreditation review by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

Information Technology

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

The Information Technology Network and Server Engineer Diploma is no longer offered at National American University after winter quarter 2009-2010.

The Information Technology Microsoft System Administrator Diploma has been revised and is now designated as the Information Technology Microsoft Certified IT Professional: Server Diploma. This change is effective spring quarter 2010.

The Information Technology Microsoft System Engineer Diploma has been revised and is now designated as the Information Technology Microsoft Certified IT Professional: Enterprise Diploma. This change is effective spring quarter 2010.

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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, and Internet systems 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	4.5
CI2010	Database for Windows	4.5
CI2211	Internetworking Fundamentals	4.5
CI2430	Computer Concepts	4.5
CI3010	Linux	4.5
CI3090	Database Design & Query Concepts	4.5
CI3155	Computer Ethics	4.5
CI3310	Web site and Web Application Design	4.5
CI4220/MT4230	Project Management	4.5
CI4221	Systems Analysis and Design	4.5
CI4222	Integrative Systems Project**	4.5
		49.5
Support Core		
AC1060	Principles of Accounting I	4.5
AC1160	Principles of Accounting II	4.5
EC2050	Macroeconomics	4.5
EC2100	Microeconomics	4.5
FN3000	Business Finance I	4.5
MG1050	Principles of Marketing	4.5
MT2050	Principles of Management	4.5
MT4210	Quantitative Analysis	4.5
		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	4.5
CI4118	Network Infrastructure Configuration – Server 2008	4.5
CI4138	Active Directory Configuration – Server 2008	4.5
CI4148	Administering Windows Server 2008	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	<u>4.5</u>	_____
			13.5	

MATHEMATICS

MA2050	College Algebra	MA1500^	4.5	_____
MA3000	Business Statistics	MA2050	<u>4.5</u>	_____
			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		<u>4.5</u>	_____
			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.

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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, 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.

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		4.5	_____
CI2211	Internetworking Fundamentals	CI1150^	4.5	_____
CI2430	Computer Concepts	CI1150^	4.5	_____
CI3010	Linux	CI1150^	4.5	_____
CI3090	Database Design and 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	CI4220/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 Management/Microsoft Emphasis Core				
(A minimum of 18 of the following 31.5 credits must be earned at NAU.)				
CI3000+	Elective		4.5	_____
CI3000+	Elective		4.5	_____
CI3670	Supporting Microsoft Windows Vista	CI1150^	4.5	_____
CI4118	Network Infrastructure Configuration – Server 2008	CI2211	4.5	_____
CI4138	Active Directory Configuration – Server 2008	CI4118	4.5	_____
CI4158	Application Infrastructure Configuration Server 2008	CI4118	4.5	_____
CI4168	Enterprise Administration Server 2008	>	<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

▲

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	<u>4.5</u>	_____
			13.5	

MATHEMATICS

MA2050	College Algebra	MA1500^	4.5	_____
MA3000	Business Statistics	MA2050	<u>4.5</u>	_____
			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		<u>4.5</u>	_____
			4.5	

> CI4138 or (CI4127D & CI4128D) & CI4158

^ Or placement recommendation

(1) Algebra elective/CI1150 or placement recommendation

(2) CI4221 and Senior Status

**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.)

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 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 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. 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
CI2440	Introduction to Computer Security	CI2430	4.5
CI3670	Supporting Windows Vista	CI1150^	4.5
CI4118	Network Infrastructure Configuration Server 2008	CI2211	4.5
CI4127D	Configuring Identity and Access Solutions Server 2008	CI4118	2.5
CI4128D	Active Directory Domain Services Configuration Server 2008	CI4118	4.5
CI4158	Application Infrastructure Configuration Server 2008	CI4118	4.5
CI4165D	Designing and Applications Infrastructure Server 2008	CI4158	2.5
CI4167D	Designing a Network Infrastructure Server 2008	~	4.5
			41
GENERAL EDUCATION CORE (13.5)			
COMMUNICATIONS			
EN1150	Composition I	EN0500/EN2030^	4.5
EN2100	Speech OR Interpersonal Professional Communications	EN1150	4.5
OR			9
EN2150			
MATHEMATICS			
	Algebra Elective		4.5
			4.5

~ CI4130 or CI4127D and CI4128D

^ 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. 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		4.5	_____
CI2211	Internetworking Fundamentals	CI1150^	4.5	_____
CI2430	Computer Concepts	CI1150^	4.5	_____
CI2440	Introduction to Computer Security	CI2430	4.5	_____
CI4118	Network Infrastructure Configuration Server 2008	CI2211	2.5	_____
CI4127D	Configuring Identity and Access Solutions Server 2008	CI4118	4.5	_____
CI4128D	Active Directory Domain Services Configuration Server 2008	CI4118	4.5	_____
CI4148	Administering Windows Server 2008	>	4.5	_____
			38.5	

GENERAL EDUCATION CORE (13.5)

COMMUNICATIONS

EN1150	Composition I	EN0500/ES2030^	4.5	_____
EN2100	Speech OR Interpersonal Professional Communications	EN1150	4.5	_____
OR			9	
EN2150				

MATHEMATICS

	Algebra Elective		4.5	_____
			4.5	

> CI4138 or (CI4127D & CI4128D)

^ 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.

National American University School of Nursing

The following are additions/modifications to the National American University School of Nursing section on pages 116-127:

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Bachelor of Science in Nursing BSN Degree 186.5 Credits

Offered at the Bloomington, Rapid City and Sioux Falls campuses.

(page 123)

ASN 107 Credits

Offered at Denver and Zona Rosa campuses.

Nursing Clinical Core (All of the following 63 credits must be earned at NAU.)		Prerequisites	Credit Hours	
NS1010	Introduction to Professional Nursing	EN1150	2	_____
NS1020	Health Assessment		2	_____
NS1030	Foundations of Nursing Practice	NS1010, NS1020	8	_____
NS1031 ⁽¹⁾	Foundations of Nursing Practice - Clinical		2	_____
NS1040	Pharmacology I	NS1010, NS1020	4	_____
NS1050	Adult Health Needs I	NS1030, NS1031, NS1040	4	_____
NS1051 ⁽²⁾	Adult Health Needs I – Clinical		5	_____
NS2011	Maternal/Child Nursing	NS1050, NS1051	6	_____
NS2012 ⁽³⁾	Maternal/Child Nursing – Clinical		3	_____
NS2021	Mental Health Needs of Clients and Families	EN1150, NS1050, NS1051	3	_____
NS2022 ⁽⁴⁾	Mental Health Needs of Clients and Families – Clinical		2	_____
NS2031	Adult Health Needs II	<u>NS1050</u>	3	_____
NS2032 ⁽⁵⁾	Adult Health Needs II - Clinical		7	_____
NS2040	Pharmacology II	NS1040, NS2031, NS2032	1	_____
NS3011	Complex Adult Health Needs	NS2031, NS2032	5	_____
NS3012 ⁽⁶⁾	Complex Adult Health Needs - Clinical		<u>6</u>	_____
			63	

General Education Core (44)

Nursing Foundational Core (27)

Students: Nursing foundational core courses may be completed at the Colorado Springs, Denver, Independence, Overland Park and Zona Rosa campuses.

(Not Available for Block Transfer)

COMMUNICATIONS				
EN1150	Composition I	EN0500/ES2030^	<u>4.5</u>	_____
			4.5	
SCIENCE +				
SC1232	Human Anatomy and Physiology I with Lab		6	_____
SC1332	Human Anatomy and Physiology II with Lab	SC1232	6	_____
SC1422	Microbiology with Lab		<u>6</u>	_____
			18	
MATHEMATICS				
	Algebra Elective		<u>4.5</u>	_____
			4.5	

Nursing Clinical Core (17)

SC1201	SCIENCE + Nutritional Foundations		2	_____
SC1370	Pathophysiology	SC1332	<u>6</u>	_____
			8	
	BEHAVIORAL/SCIENCES			
PS1050 or SO1050	Introduction to Psychology or Introduction to Sociology		4.5	_____
PS2000	Human Growth & Development		<u>4.5</u>	
			9	

^Or placement recommendation

- ⁽¹⁾ NS1031 must be taken concurrently with NS1030
- ⁽²⁾ NS1051 must be taken concurrently with NS1050
- ⁽³⁾ NS2012 must be taken concurrently with NS2011
- ⁽⁴⁾ NS2022 must be taken concurrently with NS2021
- ⁽⁵⁾ NS2032 must be taken concurrently with NS2031
- ⁽⁶⁾ NS3012 must be taken concurrently with NS3011

+ All science courses have a five-year limit at application. All science courses must be completed with a "C" grade or higher.

Students must have a state specific verification of active certification of a nursing assistant and be officially accepted into the Nursing Clinical Core to register for Nursing (NS) courses.

Minimum of 2.8 CGPA in the Nursing Foundational Core

Minimum course grade of "C" required for progression in all courses within the Nursing Clinical Core

Admission to the Nursing Foundational Core does **NOT** guarantee enrollment in the Nursing Clinical Core.

For detailed admission/graduation requirements & policies, check the university's catalog.

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

Veterinary Technology

The following are additions/modifications to the Veterinary Technology section on pages 129-132:

(page 129)

Veterinary Technology Associate of Applied Science Degree

Admission Policy

All students applying for admission to the Veterinary Technology program, whose Academic Success Appraisal scores indicate the need for EN0500 English and MA0900 Foundations of Mathematics courses, will be placed in the Veterinary Assisting Diploma program. At the end of the first academic year (fall, winter, and spring terms), students may transfer to the Veterinary Technology program for the subsequent academic year if they have met the GPA requirements of the Veterinary Assisting program as follows:

- An overall GPA of 2.5 for the program.
- A "B" or higher grade in SC1180 Basic Animal Anatomy, AH2320 Basic Clinical Procedures, and AH1520 Intro to Small Animal Nutrition.
- A "C" or higher grade in the remaining Veterinary Assisting core classes.

The grade criteria listed would apply to all students wanting to move from the Veterinary Assisting program to the Veterinary Technology program regardless of their placement scores.

Course Descriptions

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

CI4118 – 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: CI2211

Delivery: on-ground and online

CI4127D – 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: CI4118

Delivery: 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: CI4118

Delivery: online

CI4138 – 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: CI4118

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 or CI4127D & CI4128D

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: CI4118

Delivery: on-ground and online

CI4165D – 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: CI4158

Delivery: online

CI4167D – 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: CI4138 or CI4127D and CI4128D

Delivery: online

CI4168 – Enterprise Administration Server 2008 – 4.5 credits

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

Prerequisite: CI4138 or (CI4127D & CI4128D) & CI5158

Delivery: online

EN2150 – Interpersonal Professional Communication – 4.5 credits

This course provides Students with information and practice in professional communication skills. Students will write memos, develop and present information to the class, practice meeting facilitation skills, examine individual and group decision making, and practice dealing with conflict situations.

Prerequisites: EN1150

Delivery: On-ground and online

HU2200 – Art Appreciation – 4.5 credits

This course is designed to introduce the student to a study of art and its relation to the individual. The student will explore the various art forms throughout the major periods of art. Outstanding artists and their major contributions are included. Emphasis is placed on elements of art, drawing techniques, painting, digital art, photography, sculpture, ceramics, and architecture.

Prerequisite: None

Delivery: on-ground

NS2031 – Adult Health Needs II – 3 credits

This course focuses on the role of the professional nurse in applying the nursing process to meet the holistic health needs of clients throughout the adult and older adult years. Emphasis is placed on nursing and pharmacological interventions in the care of clients with acute and chronic health conditions across the health-illness continuum in acute-care settings. Disorders of the neurological, cardiovascular, blood, lymphatic, immune, endocrine, gastrointestinal, renal and urinary systems, and the special senses are presented. Health promotion, health maintenance, and illness prevention concepts will be linked with caring and cultural congruence. (Theory – 30 hours)

Prerequisites: NS 1050

Delivery: on-ground

NS3315 – LPN to RN Transition – 4.5 credits

This course is designed to assist the licensed practical/vocational nurse to transition to the role of the baccalaureate degree nurse. The focus is on the core competencies of critical thinking, therapeutic communication, assessment, and technical skill that progressive personal and professional role development of the beginning baccalaureate nurse. Nursing theory, professional values, legalities and ethics are introduced. Nursing roles will be further explored: designer, coordinator, manager of care; mandatory reporter, advocate, change agent, educator, and member of a profession. Students are provided faculty guided theory and laboratory experiences in order to develop competence and confidence in the performance of health history and physical assessments across the lifespan.

Prerequisite: Admission to the Nursing Clinical Core

Delivery: on-ground

TM2000 – Food Service and Lodging Management – 4.5 credits

This course provides information on techniques involved in managing the full range of lodging and food services facilities. The course addresses the full range of lodging facilities and food service facilities. Students learn the various tasks employees and management personnel perform to deliver products and services experiences to customers. There is discussion of the elements that build quality and success into these types of businesses.

Prerequisite: MT2050

Delivery: on-ground

INFORMATION TECHNOLOGY-CI

Elective codes are no longer referenced as classes are being reviewed on a case-by-case basis.

	Colorado Springs	Denver	Overland Park	Wichita	Kansas	Brooklyn Center	Bloomington	Minnesota	Roseville	Independence	Lee's Summit	Zona Rosa	Albuquerque	Rio Rancho	Elsworth Extension	Rapid City	Sioux Falls	Watertown	Austin	Dallas Learning		
Accounting	Accounting BS	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X	
	Accounting AAS	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X	
Allied Health	Healthcare Coding Diploma	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X	
	Health Information Technology AAS	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X	
	Medical Administrative Assistant AAS	X				X	X	X ⁻	X				X									
	Medical Assisting AAS	X				X	X	X ⁻	X	X ^a	X ^a		X					X				
	Medical Staff Services Management AAS	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X
	Pharmacy Technician AAS		X				X	X ⁻	X									X				
	Therapeutic Massage AAS						X	X ⁻	X													
	Therapeutic Massage Diploma						X	X ⁻	X													
General Education Studies AS	X								X	X ^a	X	X	X	X	X	X	X	X ^a	X ^a		X	
Athletic Training BS																X						
Business	Applied Management AAS	X				X	X	X	X	X	X ^a		X	X	X	X	X	X ^a	X ^a	X	X	
	Applied Management BS	X				X	X	X	X	X	X ^a		X	X	X	X	X	X ^a	X ^a	X	X	
	Business Administration AAS	X				X	X	X	X	X	X ^a		X	X	X	X	X	X ^a	X ^a	X	X	
	Business Administration BS	X				X	X	X	X	X	X ^a		X	X	X	X	X	X ^a	X ^a	X	X	
	Business Administration BS w/emphasis in Accounting		X							X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X
	Business Administration BS w/emphasis in Financial Management	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X
	Business Administration BS w/emphasis in Human Resource Management	X				X	X	X	X	X	X ^a		X	X	X	X	X	X	X ^a	X ^a	X	X
	Business Administration BS w/emphasis in Information Systems	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X
	Business Administration BS w/emphasis in International Business	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X
	Business Administration BS w/emphasis in Management	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X
	Business Administration BS w/emphasis in Marketing	X ^a				X ^a	X ^a	X ^a	X ^a	X ^a	X ^a		X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X ^a	X
	Business Administration BS w/emphasis in Pre-Law									X	X ^a											
	Business Administration BS w/emphasis in Tourism and Hospitality Management																					

	Colorado Springs	Denver	Overland Park	Wichita	Brooklyn Center	Bloomington	Minnetonka	Roseville	Independence	Lee's Summit	Zona Rosa	Albuquerque	Rio Rancho	Elsworth Extension	Kapiti City	Sioux Falls	Watertown	Austin	Texas	Distance Learning	
Criminal Justice	Criminal Justice AAS	X ⁺	X ⁺	X ⁺	X ⁺	X	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X	
	Criminal Justice BS	X ⁺	X ⁺	X ⁺	X ⁺	X	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X	
	Health and Beauty Management AAS	X ⁺										X ⁺	X ⁺		X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X	
Information Technology	Healthcare Management BS	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X ⁺	X	
	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 ⁺	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 ⁺	X
	Information Technology BS w/emphasis in Network Administration/Microsoft																				
	Information Technology Diploma																				
	Microsoft Certified IT Professional: Enterprise Administrator																				X*
Legal Studies	Information Technology Diploma																				X*
	Microsoft Certified IT Professional: Server Administrator																				
	Paralegal Studies AAS			X	X	X	X-	X	X	X ⁺	X					X					
Nursing	Paralegal Studies BS		X	X	X	X-	X	X	X	X ⁺	X				X	X					
	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+	X+	X+	X
Veterinary Technology	Nursing Practical Nurse Diploma																				
	Organizational Leadership BS			X																	
	Veterinary Assisting Diploma	X	X						X	X ⁺											X
	Veterinary Technology AAS																				X

+ General education courses for the online RN to BSN program are offered at this campus. HA4060 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.