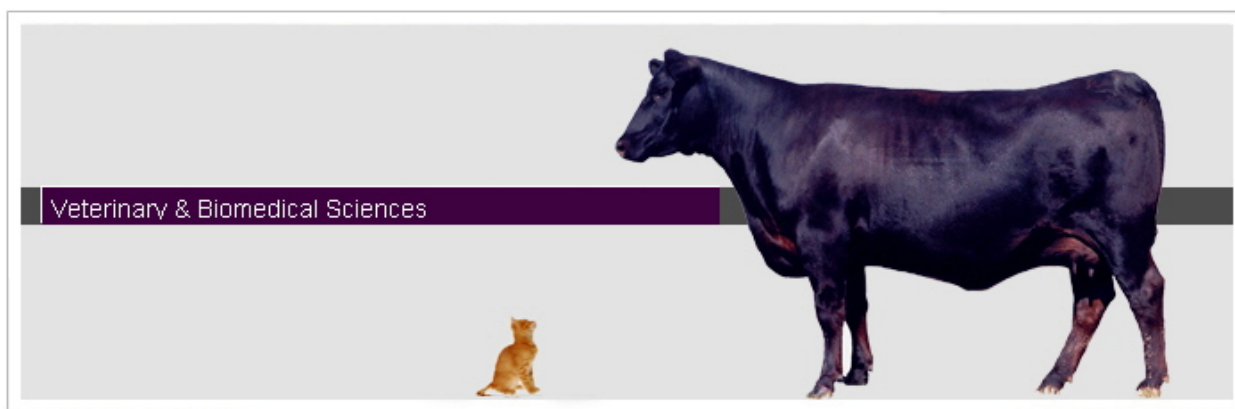




UNDERGRADUATE ADVISING MANUAL

DEPARTMENT OF VETERINARY AND BIOMEDICAL SCIENCES

2007



The University of Nebraska-Lincoln does not discriminate based on gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin, or sexual orientation



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Department of Veterinary Biomedical Sciences

Undergraduate Handbook

Welcome to the UNL Department of Veterinary and Biomedical Sciences.

We are glad to have you as an undergraduate student in one of our academic programs. WELCOME!

We believe our undergraduate programs will prepare you to pursue careers in veterinary science, veterinary medicine, veterinary pharmaceuticals, biomedical sciences or many other health-related fields. Our alumni have gone on to health-related professional schools, to jobs in the veterinary medical and veterinary pharmaceutical industries, and to graduate schools. We hope you will join them after you complete your academic program.

This handbook is designed to assist you as you work to reach your academic goals at UNL. It supplements, but does not replace, the UNL Undergraduate Bulletin applicable to your year of enrollment. This handbook provides information that we think you will need, or points you to important information from other sources.

We welcome feedback from you about this handbook. Please let us know how we can make it better for you. Put your suggestions in writing and include your name and contact information (if you wish) so that we can contact you if we need more information or further clarification. Give your suggestion(s) to Lee Johnson in the VBMS department office (120 VBS) or by e-mail to lbjohnso@unlnotes.unl.edu.

Communication with Our Students

You may access information and announcements about your academic program on Blackboard. Log onto Blackboard and then look under either “My Organizations” or “Community” for the name of your academic program. Click on your academic program name to access the information.

There will be information and announcements that we will want to get to you occasionally and we will communicate them to you either by e-mailings or announcements on Blackboard. We urge you to visit Blackboard at least weekly so you have the opportunity to read posted announcements applicable to your major.

Additionally, College of Agricultural Sciences and Natural Resources (CASNR) staff will e-mail announcements directly to your e-mail address as long as your major is in CASNR. Some of those mailings will come weekly, others will come less often. Make sure you read them to keep up with the latest information about happenings and opportunities.

Ensuring Your Future

You have enrolled in one of our academic programs so you can pursue a career in an animal-health-related field. If your goal is to attend veterinary school, we can help you prepare for that school. If you decide you want to attend another health professional school like pharmacy, nursing or medical school, we can help prepare you for those schools, too. If your goal is to get a job, then we can help you attain that goal with the CASNR *Ensuring Your Future* Program.

Ensuring Your Future: Academics, Involvement, Experience

Our College guarantees that you will receive at least one job offer relevant to your academic program within the first 6 months of your graduation, IF you complete the *Ensuring Your Future* program. If you do not receive at least one offer, the College will pay for any class that is considered necessary for you to become more employable. The program is described below.

Ensuring Your Future consists of three components: academics, involvement and experience. If you complete every part of each component, you will receive at least one job offer, as described above.

ACADEMICS COMPONENT:

1. Meet with your assigned advisor at least once each semester that you are enrolled.
2. Graduate with a cumulative GPA of at least 3.00.
3. Take elective courses that complement your personal or professional goals and/or declare an academic minor prior to the deadline for submitting the application for graduation.
4. Successfully complete AGRI/NRES 388 – Employment Seminar course.
5. Demonstrate computer literacy (successfully complete a computer course like AGRI 271 – An Introduction to Computer Applications in Agriculture or pass a proficiency examination).

INVOLVEMENT COMPONENT:

1. Complete the co-curricular component of the Comprehensive Education Program – Essential Experiences – A Guide to Co-Curricular Learning (see p. 16, 2007-2008 Undergraduate Bulletin). Document six essential experiences, each from a different involvement category: personal development, health and wellness, intellectual development, cultural understating, arts appreciation, career development, values and ethics, and social responsibility.
2. Participate in at least one student organization and/or become a student member of a professional society or organization related to your major or professional interest. You are encouraged to participate in academic and service honoraries when invited to do so.

EXPERIENCE COMPONENT:

1. Document and record your academic and co-curricular experiences. Blackboard has an electronic portfolio feature that enables you to accomplish this task. You must complete training on that feature before you can access and use it. Contact the Blackboard help line for additional information (402-472-3970).
2. Subscribe to Husker Hire Link (HHL) through UNL Career Services for at least 2 years and maintain current information on file there. Call UNL Career Services for more information. The East Campus office for Career Services may be reached at 402-472-8273.
3. Complete at least one internship in your profession field for academic credit.
4. Complete at least one additional career experience with or without academic credit.
5. Document leadership development experiences (course, student organizations, etc.).
6. Maintain a resume file beginning with the first semester of enrollment at UNL and update it at least annually.
7. Complete at least 3 interviews with prospective employers through Career Services during your senior year, at least 2 of them in the semester preceding graduation.
8. Attend a minimum of 2 CASNR Career Days.
9. Identify 3 personal references by the end of your junior year. Consider your academic adviser, extra-curricular organization advisor and employer(s) as possible references.

Using the guarantee:

Any of you who decide to seek employment upon graduation should take the following actions to use the *Ensuring Your Future* guarantee:

1. Complete the two following courses
 - a. AGRI/NRES 388 - **Employment Seminar**
 - b. AGRI 496 – **Job Survival**
2. Contact Jill Brown, CASNR Career Specialist to use the services offered by UNL Career Services (telephone: 472-8273, e-mail jbrown14@unl.edu)
3. If you interview for a job and do not get an job offer, have the employer with whom you interviewed document the critical elements lacking in your degree program that kept you from getting the job.
4. Contact the CASNR Dean's office to register for any course to provide you with the critical element documented by the employer.

CASNR CARES:

VBMS and CASNR faculty are committed to your welfare and academic success and the CASNR CARES program is part of that commitment. If you experience academic or personal problems that impact on your academic performance, CASNR CARES provides you with a single point of contact to obtain assistance.

The CASNR CARES point-of-contact is Sue Voss, Coordinator for Student Development and Events. Her office is in the CASNR Dean's office, 103 Agriculture Hall. Contact

her in person; by telephone at 800-742-8800, extension 2541 or 402-472-0609; or by e-mail at svoss1@unl.edu. She will be happy to help you with your problem.

When problems occur, it is important that you seek help early because the sooner you obtain help, the more likely we can help you solve your problems.

For instance, say you become ill the weekend before you have 3 hour exams scheduled. You are sick enough to go see a doctor at the University Health Center on Monday morning, who says you have a bad case of pneumonia. You leave the health center with a bottle of antibiotics and a note from the doctor that says you are contagious and should remain in bed for several days. You ask yourself, "What am I going to do about all of those tests this week?" The answer: call Sue Voss. She will contact all of your instructors for you, tell them about your illness and help you and your instructors deal with your absence.

You need not use Sue's service if you do not desire to do so. Other resources available to help you with problems are listed in the current UNL Student Directory under Emergency Numbers and Quick Reference Guide.

Your parents may also contact Sue if they have any questions, but she must and will respect all standards of confidentiality for information about you. Federal regulations prohibit the release of information regarding your academic performance to third parties, even your parents. We cannot tell anybody your GPA or other information about academic performance without your permission. If you are concerned about release of information to third parties, discuss your concerns with Sue Voss. It is best if you keep your parents or guardians informed about your academic progress.

Faculty Advisors:

You will be assigned a faculty advisor by the chief undergraduate advisor when you first enroll in one of our programs. Your assigned advisor may not be the person who advised you during New Student Enrollment (NSE). You may ask the chief undergraduate advisor to be assigned to a specific advisor, if you so desire. Call the VBMS Department office at 472-2952 to request a specific advisor.

Otherwise, you will be assigned to an advisor as part of an effort to distribute the advising workload equitably among the advisors. Your advisor may not be the person who advised you during New Student Enrollment (NSE).

Contact your advisor as soon as possible. He or she can help you in many ways as you explore career possibilities in animal health and biomedical sciences; plan your course schedules; seek internships or jobs; or apply to graduate school, veterinary school or other professional schools.

A list of our undergraduate advisors is located at Appendix 2.

If you desire to change advisors, for whatever reason, please request to do so using the Request Change of Undergraduate Advisor form, which is available in the department office. (120 VBS) (contact Lee Johnson)

You are expected to take responsibility for your academic progress. Your progress will be better if you do the following:

1. Participate in priority registration programs for class enrollment.
2. Schedule appointments with your advisor well in advance of priority registration deadlines, and at other times as needed.
3. Identify class choices from your program requirements.
4. Identify issues to address during sessions with your advisor.
5. Inform your advisor about any issue, special needs, deficiencies or barriers that might affect your academic performance.
6. Follow academic policies and procedures, and meet academic calendar deadlines, like for registration, fee and tuition payments, senior checks & degree audits, and graduation application.
7. Know and complete your academic program requirements.
8. Monitor your progress toward meeting your program requirements. Maintain copies of your academic records, and seek assistance to resolve any errors or discrepancies that may occur.
9. Act on recommendations to seek assistance available through various student support services provided by the University.

Changing your major:

Many of you selecting one of our majors are interested in a career as a veterinarian. Some of you will change your minds about becoming veterinarians. Remember that veterinary science is more than veterinary medicine. You need not abandon your major if you want to pursue a career in veterinary or biomedical sciences as a non-veterinarian. Discuss your academic and career goals with your undergraduate advisor before making a decision to change your major.

If you want to apply to a health-related professional school other than veterinary school, our Veterinary Science and Veterinary Technology programs can qualify you for most any of them. Your advisor can help you tailor your program to reach your academic goals.

If you wish to go to veterinary school, your Veterinary & Biomedical Science advisor can help with your preparation for and application to veterinary school.

If you decide to change your major, complete a College-Degree-Major-Advisor Change Form. You may obtain a copy in the VBMS Department office, 120 VBS, or online at the CASNR website: <http://casnr.unl.edu/Home>. Follow the instructions on that form.

Academic Minors

You can declare an academic minor in subject areas that offer minors. A minor allows you to take additional courses in a subject area without having to commit to another Bachelors degree program and it may help enhance your qualifications for a job, especially one that integrates two academic areas. A minor can generally be completed along with your degree program without much difficulty.

There is no limit to the number of minors that you can obtain, but it would be unusual for a student to complete more than two. Consult with your advisor about your particular situation and declare your minor as soon as possible, but **at least the semester prior to graduation** to ensure it is processed in time for your graduation.

Academic Minors in CASNR

Minors in CASNR consist of 18 hours in the minor area of study, including at least six hours at the 300- and/or 400-level. Alternatively, 12 hours of 300- and/or 400-level courses will meet the requirement. At the discretion of the department responsible for the minor, up to three hours of independent study may be counted toward the minor. Departments may specify additional requirements for their minor(s).

For a listing of minors currently available through CASNR, consult the current undergraduate bulletin (<http://www.unl.edu/unlpub/undergrad/>) or visit the Dean's Office.

Transfer Credits:

You may take courses at any accredited college or university and ask that the credit be transferred to UNL. If you do so, keep the following in mind.

1. The decision to accept credits earned at other institutions is made by the faculty of UNL. The University reserves the right to accept or reject any transfer credits presented by a student. If the faculty is unfamiliar with the course(s) you have taken or the institution from which the credits were earned, you may be asked to provide more information so that the transfer decision can be made. For example, you may be asked to provide a copy of the syllabus for the course. Contact your advisor for assistance.
2. Some credits accepted for transfer may not count toward your UNL academic program requirements. There are various reasons why that may occur, but usually the reason is because you have earned more credits in a particular area than are needed or the transfer credits do not meet the UNL Comprehensive Education Program requirements.
3. CASNR policy limits the number of credit hours earned from other institutions or UNL colleges that can be applied toward requirements for CASNR degree programs. The full policy is published in CASNR's section of the current UNL Undergraduate Bulletin. See that section for details.

4. The credit transfer process begins when you provide UNL Admissions staff with an official transcript from the university or college you attended. Upon receipt of an official transcript UNL Admissions staff posts any UNL course equivalencies to your UNL record. Courses without established UNL course equivalencies will be evaluated by CASNR office staff and they will post UNL course equivalencies to your UNL record. Any remaining courses will be assessed by VBMS department staff.
5. Contact your advisor if you have questions about transfer credits.

Selecting classes and enrolling in them.

You should meet with your advisor every term because your advisor can provide information, answer questions and make suggestions about your academic program, but you are ultimately responsible for the decisions regarding your schedule.

Our department has student ambassadors with whom you can discuss issues relating to course selection, veterinary school pre-requisites, degree program requirements and other academic issues. They can provide information, answer questions and make suggestions from a student prospective, but they are not intended to replace your advisor. You may schedule appointments to visit with the ambassadors by calling the VBMS Undergraduate Center at 472-9089 or Lee Johnson in the VBMS Department Office (120 VBS) at 472-8537.

Example class schedules for each term of enrollment for the various VBMS academic programs may be found in this handbook. They are all examples of schedules and can serve as guidelines for you. Your individual schedules must be arranged based upon your personal circumstances. Consult with your advisor for help with developing the best schedule for you.

Dates of priority and open registration periods for academic terms are listed in the academic calendar, which is published in the UNL Schedule of Classes for every term and on the UNL Registration and Records website at http://www.unl.edu/regrec/calendar/calen_current.shtml.

There are two publications that you need to help you register for classes. One is the undergraduate bulletin in effect when you matriculated at UNL and the other is the schedule of classes for the term in which you wish to enroll. The Schedule of Classes is published as a hard copy and available at numerous locations around campus. It is also available on-line at <http://unlsched.unl.edu/nusched/index.jsp>. The on-line version tells you the number of spaces available in a specific section of any class offered that term.

For those of you desiring to apply to veterinary school, you should also have a current listing of the pre-veterinary requirements for EVERY veterinary school to which you wish to apply so you can make certain that you will meet those requirements, too.

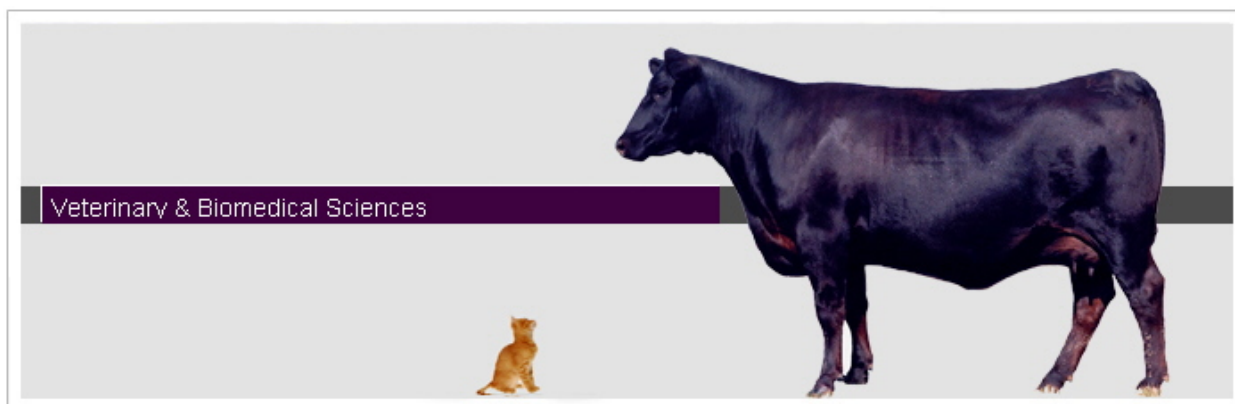


VBMS UNDERGRADUATE ACADEMIC PROGRAMS

Veterinary Science

Veterinary Technology

and Pre-Veterinary Medicine



UNIVERSITY OF
Nebraska
Lincoln

The academic programs we offer are summarized in Table 1. If you have any questions about them, please ask your faculty advisor. Additional information about each of them may be found in their respective sections in this handbook.

Table 1. Undergraduate Programs offered by the UNL Department of Veterinary & Biomedical Sciences			
Program name	Options	Goal	Degree
Veterinary Science (VBMS)	Biomedical Sciences	Career in biomedical or veterinary science; qualify to apply to veterinary school	Bachelor of Science in Veterinary Science
	Microbiology	Career in microbiology, qualify to apply to veterinary school	
	Veterinary Medicine	Obtain a BS degree after 2 years in veterinary school	
Veterinary Technology (VETT)	Veterinary Science	Career in biomedical or veterinary science; qualify to apply to veterinary school	Bachelor Science in Veterinary Technology
	Science	Career in biomedical or veterinary science	
	Business	Career in biomedical or veterinary science with an emphasis in business	
Pre-veterinary Medicine (PVET)	None	Qualify to apply to any veterinary school in North America	None

EARNING A BACHELORS DEGREE AT UNL

To earn a Bachelors degree, you must meet all of the requirements specified for your major and those requirements are detailed in the University of Nebraska-Lincoln Undergraduate Bulletin. The CASNR policy about which bulletin requirements you are to meet to earn your degree is duplicated below as it appears in the 2007-2008 Bulletin.

College Bulletin to Follow

Students must follow the undergraduate bulletin in effect when they enroll in the College of Agricultural Sciences and Natural Resources or any subsequent bulletin published while the student is enrolled in the College, provided the bulletin they follow is no more that 10 years old at the time of graduation. Students must, however, meet the requirements from one bulletin only.

If you wish to meet the requirements published in a later edition of the Bulletin, then you must complete and submit a Change-of-Major form to CASNR. If you have questions about what your program requirements are, please ask your faculty advisor.

Our program requirements are detailed beginning on page 82 in the UNL Undergraduate Bulletin, 2007-2008 Academic Year.

Summary of Requirements for a Bachelors Degree

Requirements that you must fulfill to earn a Bachelor's degree are specified at three levels: the UNL Comprehensive Education Program (CEP), CASNR, and your major. Requirements specified by CEP and CASNR are summarized here. Requirements for VBMS majors are listed in the section of this document for each major.

UNL Comprehensive Education Program:

UNL CEP requirements are summarized in Table 2. More details may be found in the UNL Undergraduate Bulletin, 2007-2008 Academic Year: 16-17.

UNL CEP requirements are divided into two parts: Essential Studies (ES) and Integrative Studies (IS). Essential studies requirements provide you with opportunities to understand the breadth of human endeavor. Integrative studies requirements provide you with opportunities to enhance your skills to think critically; write; speak; analyze controversies; explore assumptions; inquire into the origins, bases, and consequences of intellectual bias; and consider human diversity.

A listing of ES and IS courses may be found in the UNL Undergraduate Bulletin, 2007-2008 Academic Year, starting on p. 377. Pay attention to which courses are accepted by CASNR.

Table 2. Summary of UNL Comprehensive Education Program Requirements for a Bachelors Degree			
Essential Studies (ES)		Integrative Studies (IS)	
Area	Requirement	Course Division	Requirement
A – Communication	1 course	200 level	≥ 1 course
B – Math & Stats	1 course	300 level	≥ 1 course
C – Human Behavior, Culture & Social Organization	2 courses	400 level	≥ 1 course
D – Science & Technology	1 course	Total IS requirement: 10 courses (about 30 credit hours).	
E – Historical Studies	1 course	Remarks: No more than three IS courses may be taken within a single department. Recommend that 5 courses be lower division courses (100 & 200 levels) and 5 be upper division courses (300 & 400 levels).	
F – The Humanities	1 course		
G – The Arts	1 course		
H – Race, Ethnicity & Gender	1 course		
Remarks: Any single course counts for one and only one ES requirement. The majority of ES courses will be courses in the lower division (100/200 levels)		Some courses are both ES and IS courses and can fulfill both requirements.	

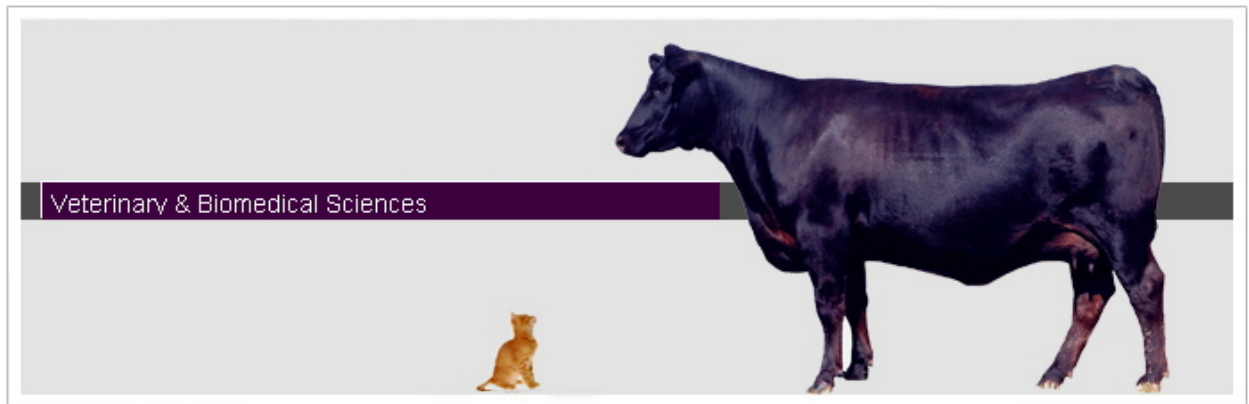
CASNR Requirements:

CASNR requirements are summarized in Table 3. More details may be found in the UNL Undergraduate Bulletin, 2007-2008 Academic Year: 47.

Table 3. Summary of CASNR Requirements for a Bachelors Degree	
Requirement	Credit Hours
College Integrative Course, AGRI/NRES 103	3
Math, Statistics (beyond college algebra): Select from MATH 102, 104, 106 & STAT 218.	5
Communication & Interpersonal Skills: Written: Select from ENGL 150, 151, 254; JGEN 120, 200, 300 Electives: See Undergrad Bulletin for the selection list	3 <u>3</u> 6
Natural Sciences: Biological sciences Chemistry: CHEM 105 or 109 Physics (see Undergrad bulletin for selection list)	4 4 <u>4 - 5</u> 8 - 9
Humanities and Social Sciences: ECON 211 or 212 or AECN 141 Essential studies courses (see Undergraduate Bulletin for details)	3 <u>15</u> 18
Major requirements and electives	87 - 88
Capstone course in major	3
International focus course (see Undergraduate Bulletin for details)	3
Minimum required for graduation	128



VETERINARY SCIENCE MAJOR



The Veterinary Science Major

Details about the Veterinary Science major may be found in the UNL Undergraduate Bulletin, 2007-2008 Academic Year: 82 - 83.

Course requirements for the Veterinary Science major are summarized in Table 4. There are three options in this major: Biomedical Sciences, Microbiology, and Veterinary Medicine.

Area	Credit Hours		
Core Requirements			
College Integrative course	3		
Natural Sciences courses	46-48		
Mathematics & Analytical Skills	5		
Communications	9		
Humanities & Social Sciences	18		
Animal Science	4		
Management/Finance	3-4		
Veterinary Science	1		
Electives	3-6		
Core Total	95		
Option Requirements:	Biomedical Sciences	Microbiology	Vet Medicine (3+2)**
Capstone course	4	4	1-2***
Humanities & Social Sciences or General Electives	18	13	0
Veterinary Science	11	10	0
Microbiology electives	0	10	0
Transfer credits	0	0	33***
Option Total	33	33	34-35
Degree Total	128	128	129-130
*From UNL Undergraduate Bulletin 2007-2008 Academic Year.			
** Applicant must be accepted into an AVMA-accredited veterinary school and complete the first 2 of the 4-year veterinary medical curriculum.			
***Transfer credits from veterinary school.			

Biomedical Sciences option:

Declare this option if you are interested in a career in veterinary medicine, or in the veterinary or biomedical sciences. Pre-veterinary requirements for the UNL/Iowa State College of Veterinary Medicine Cooperative Veterinary Medical Program are

incorporated into this option. Courses included in this option may be modified to meet pre-veterinary requirements to apply to any accredited veterinary school in North America. Completion of this degree program does not guarantee you will be accepted to any veterinary school.

Microbiology Option:

Declare this option if you are interested in a career in microbiology. Requirements for this option are not based upon pre-veterinary requirements, but pre-vet requirements could be incorporated into this program if desired.

Veterinary Medicine Option:

Declare this option if you are accepted into veterinary school before completing the requirements for a Bachelors degree. After you successfully complete the first two years at an American Veterinary Medical Association accredited veterinary school, you may transfer credits earned at the veterinary school to UNL and then be awarded a Bachelor of Veterinary Science degree. See the Undergraduate bulletin for details.

Example Academic Plans

Sample academic plans for the Veterinary Science major are contained in Tables 5 – 10 on the following pages. Use them as models to formulate your academic plan. It is important that you consult with your academic advisor throughout your academic career to help ensure that your plan will meet your goals.

Table 5. Biomedical Sciences Option, UNL Veterinary Science Major
Sample Class Schedule, No Summer School
(for superscript explanations, see Table 10)

Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	AGRI/NRES 103 ^{D,I}	3	AECN 141 ^C	3
	CHEM 109 ^{D,I}	4	CHEM 110 ^D	4
	VBMS 101	1	BIOS 102 ^{D,I}	4
	ENGL 151 ^{A,I}	3	STAT 218 ^{B,I}	3
	MATH 102	2	Elective	3
	ES Elective	3		
	Semester & cumulative totals	16 (16)	Semester and cumulative total	17 (33)
Sophomore	First Semester		Second Semester	
	CHEM 251 ^D	3	CHEM 252 ^D	3
	CHEM 253 ^D	1	CHEM 254 ^D	1
	BIOS 103 ^D	4	PHYS 141 ^D	5
	AGRO 315 ^D	4	PHIL 101 ^{A,F}	3
	ES elective	3	HIST 120 ^E	3
	Semester & cumulative totals	15 (48)	Semester and cumulative total	15 (63)
Junior	First Semester		Second Semester	
	BIOC 431	4	BIOC 433	2
	COMM 311 ^{A,I}	3	ASCI 240 ^D	4
	SOCI 217 ^{A,G,H}	3	BIOS 312	3
	PHYS 142 ^D	5	BIOS 314	2
			MNGT 121	3
			Elective	3
Semester & cumulative totals	15 (78)	Semester and cumulative total	17 (95)	
Senior	First Semester		Second Semester	
	VBMS 408 ^{I4}	4	VBMS 403 ^K	4
	VBMS 410 ^{I4}	4	BIOC 433	3
	ENGL 252 ^{G,12}	3	VBMS 441	3
	JGEN 300 ^{A,I}	3	POLS 160 ^{B,D}	3
	Elective	3	Elective	3
Semester & cumulative totals	18 (112)	Semester and cumulative total	16 (128)	

This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances

NOTE: VBMS 101, 408, 410, and BIOS 443 are fall only courses. VBMS 403, VBMS 441, POLS 261, and BIOS 321 are spring only courses. ***It is important to refer to your Undergraduate Bulletin for a list of Essential Study (ES) and Integrative Study (IS) courses that better suit your interests. This is only a guide to help you make your course decisions and we recommend that you meet with your advisor each semester.

Table 6. Biomedical Sciences Option, UNL Veterinary Science Major
Sample Class Schedule, Summer School
(for superscript explanations, see Table 5)

Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	AGRI 103 ^{D,1}	3	BIOS 102 ^D	4
	ENGL 151 ^{A,1}	3	BIOS 103 ^D	4
	VBMS 100	1	AECN 141 ^C	3
	General Elective	3	MATH 102	2
	ES elective	3	Elective	3
	Semester & cumulative totals	13 (13)	Semester & cumulative totals	16 (29)
SS	First Session		Second Session	
	CHEM 109 ^{D,1}	4	CHEM 110 ^D	4
	Session & cumulative totals	4 (33)	Session & cumulative totals	4 (37)
Sophomore	First Semester		Second Semester	
	CHEM 251 ^D	3	CHEM 252 ^D	3
	CHEM 253 ^D	1	CHEM 254 ^D	1
	PHIL 101 ^{A,F}	3	JGEN 300 ^{A,1}	3
	AGRO 315	4	AECN 201	4
	ENGL 252 ^{G,12}	3	HIST 120 ^E	3
	Semester & cumulative totals	14 (51)	Semester & cumulative total	14 (65)
SS	First Session		Second Session	
	PHYS 141 ^D	5	PHYS 142 ^D	5
	Session & cumulative totals	5 (70)	Session & cumulative totals	5 (75)
Junior	First Semester		Second Semester	
	BIOC 431	4	BIOC 433	2
	COMM 311 ^{A,1}	3	BIOS 312	3
	SOCI 217 ^{H,12}	3	BIOS 314	1
	ASCI 240 ^D	4	MNGT 121	3
	STAT 218 ^{B,12}		PHIL 220 ^{F,12}	3
	Semester & cumulative totals	14 (89)	Semester and cumulative total	12 (101)
Senior	First Semester		Second Semester	
	VBMS 408 ^{L4}	4	VBMS 403 ^K	4
	VBMS 410 ^{L4}	4	VBMS 441	3
	POLS 160 ^C	3	Elective	3
	Elective	3	Elective	3
	Semester & cumulative totals	14 (115)	Semester and cumulative total	13 (128)
This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances				

**Table 7. Microbiology Option, UNL Veterinary Science Major,
Sample Class Schedule, No Summer School**
(for superscript explanations, see Table 5)

Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	AGRI/NRES 103 ^{D,1}	3	AECN 141	3
	CHEM 109 ^{D,1}	4	CHEM 110 ^D	4
	VBMS 101	1	MATH 102	2
	ENGL 151 ^{A,1}	3	STAT 218 ^{B,12}	3
	BIOS 102 ^{D,1}	4	BIOS 103 ^D	4
	Semester & cumulative totals	15 (15)	Semester and cumulative total	16 (31)
Sophomore	First Semester		Second Semester	
	CHEM 251 ^D	3	CHEM 252 ^D	3
	CHEM 253 ^D	1	CHEM 254 ^D	1
	BIOS 206 ^D	4	PHYS 141 ^D	5
	JGEN 200 ^{A,12}	3	BIOS 312	3
	HIST 120 ^{E,1}	3	BIOS 313	2
	General elective	3	PHIL 220 ^{F,12}	3
	Semester & cumulative totals	17 (48)	Semester and cumulative total	17 (65)
Junior	First Semester		Second Semester	
	BIOC 431	4	BIOC 433	2
	ASCI 240 ^D	4	MICRO Elective	4
	PHYS 142 ^D	5	BIOS 326	3
	ENGL 252 ^{G,12}	3	SOCI 217 ^{H,12}	3
			GEOG 140 ^{I,1F}	3
Semester & cumulative totals	16 (81)	Semester and cumulative total	15 (96)	
Senior	First Semester		Second Semester	
	VBMS 408 ^L	4	VBMS 403 ^K	4
	COMM 311 ^{A,13}	3	VBMS 441	3
	MICRO elective	3	VBMS 424	3
	General elective	3	FINA 260	3
	General elective	3	General elective	3
Semester & cumulative totals	16 (112)	Semester and cumulative total	16 (128)	

This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances

**Table 8. Microbiology Option, UNL Veterinary Science Major
Sample Class Schedule, Summer School**
(for superscript explanations, see Table 5)

Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	AGRI/NRES 103 ^{D,1}	3	AECN 141 ^C	3
	VBMS 101	1	BIOS 103 ^D	4
	ENGL 151 ^{A,1}	3	MATH 102	2
	BIOS 102 ^{D,1}	4	STATS 218 ^{B,12}	3
	HIST 120 ^{E,1}	3	Elective	3
	Semester & cumulative totals	14 (14)	Semester & cumulative totals	15 (29)
SS	First Session		Second Session	
	CHEM 109 ^{D,1}	4	CHEM 110 ^D	4
	Session & cumulative totals	4 (33)	Session & cumulative totals	4 (37)
Sophomore	First Semester		Second Semester	
	CHEM 251 ^D	3	CHEM 252 ^D	3
	CHEM 253 ^D	1	CHEM 254 ^D	1
	BIOS 206 ^D	4	BIOS 312	3
	JGEN 200 ^{A,12}	3	BIOS 313	2
	GEOG 140 ^{I,1F}	3	PHIL 220 ^{F,12}	3
	Semester & cumulative totals	14 (51)	Semester & cumulative total	12 (63)
SS	First Session		Second Session	
	PHYS 141 ^D	5	PHYS 142 ^D	5
	Session & cumulative totals	5 (68)	Session & cumulative totals	5 (73)
Junior	First Semester		Second Semester	
	BIOC 431	4	BIOC 433	2
	ASCI 240 ^D	4	MICRO Elective	4
	ENGL 252 ^{G,12}	3	BIOS 326	3
	General Elective	3	SOCI 217 ^{H,12}	3
			General Elective	3
Semester & cumulative totals	14 (87)	Semester and cumulative total	15 (102)	
Senior	First Semester		Second Semester	
	VBMS 408 ^L	4	VBMS 403 ^K	4
	COMM 311 ^{A,13}	3	VBMS 424	3
	MICRO Elective	3	VBMS 441	3
	General Elective	3	FINA 260	3
Semester & cumulative totals	13 (115)	Semester and cumulative total	13 (128)	

This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances

**Table 9. 3+2 Veterinary Science Option, UNL Veterinary Technologist Major,
Sample Class Schedule, No Summer School**
(for superscript explanations, see page ...)

Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	AGRI 103	3	CHEM 110	4
	CHEM 109	4	BIOS 102	4
	ENGL 150	3	MATH 102	2
	AECN 141	3	HIST/POLS 105	3
	VBMS 101	1	BIOS 103	4
	ES course	3		
	Semester & cumulative totals	17	Semester and cumulative total	17
Sophomore	First Semester		Second Semester	
	CHEM 251	3	CHEM 252	3
	CHEM 253	1	CHEM 254	1
	PHYS 141	5	PHYS 142	5
	PHIL 101 or PHIL 106	3	JGEN 200	3
	AGRO 315	4	STATS 218	3
			Business course	3
	Semester & cumulative totals	16	Semester and cumulative total	18
Junior	First Semester		Second Semester	
	BIOC 431	3	BIOC 433	2
	COMM 311	3	POLS 160 or POLS 261	3
	ENGL 252	3	BIOS 312	3
	SOCI 217	3	BIOS 314	1
	Science elective	3	VBMS 403	4
			Business course	3
Semester & cumulative totals	15	Semester and cumulative total	16	
Senior	First Semester		Second Semester	
	Semester & cumulative totals		Semester and cumulative total	
This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances				

Table 10: Footnotes to Sample Academic Plans

A Course that fulfills the Communication block of the ES requirement.

B Course that fulfills the Math and Statistics block of the ES requirement.

C Course that fulfills the Human Behavior, Culture, and Social Organization block of the ES requirement.

D Course that fulfills the Science and Technology block of the ES requirement.

E Course that fulfills the Historical Studies block of the ES requirement.

F Course that fulfills the Humanities block of the ES requirement.

G Course that fulfills the Arts block of the ES requirement.

H Course that fulfills the Race, Ethnicity, and Gender block of the ES requirement.

I Course that fulfills the IS requirement.

I2 200-level IS Course.

I3 300-level IS Course.

I4 400-level IS Course.

IF Course that fulfills the International Focus requirement.

K Capstone course.



VETERINARY TECHNOLOGY MAJOR



The Veterinary Technology Major

Details about the Veterinary Technology major may be found in the UNL Undergraduate Bulletin, 2007-2008 Academic Year.: 83-85.

This is a two-phase program: Veterinary technology phase and Bachelors phase.

The veterinary technology phase must be completed at an American Veterinary Medical Association accredited, two year veterinary technology program that awards an Associates of Applied Science degree in veterinary technology upon completion. UNL does not offer this phase, but the University of Nebraska College of Technical Agriculture at Curtis, Nebraska does offer it.

The Bachelors phase consists of courses that must be completed to earn a Bachelors degree in Veterinary Technology. Credits earned in the AAS Veterinary Technology program may be transferred to UNL and will count toward some of the Bachelors degree requirements, but not pre-veterinary requirements. See your advisor for details. The graduate veterinary technologist must also pass the national veterinary technology certification examination before UNL can award the Bachelors degree.

Course requirements for the Veterinary Science major are summarized in Table 11. There are three options in this major: Veterinary Science, Science and Business.

Table11. Summary of Requirements for a Bachelor of Veterinary Technology Degree*			
Area	Credit Hours		
Core Requirements			
College Integrative Course	3		
Capstone course	4		
Natural Sciences	13		
Math & Analytical Skills	5		
Communications	9		
Humanities & Social Sciences	18		
Core total	52		
Option Requirements:	Vet Science	Science	Business
Biological & physical Sciences	37-39	28	12-13
Business	6-8	6-9	19-20
Veterinary Science	3	1	1
Science Electives	0	6	0
Free Electives	4-6	3-5	9
Veterinary Tech transfer**	25	32	35
Option Total	76-82	76-81	76-78
Degree Total***	128-134	128-133	128-130
*From UNL Undergraduate Bulletin 2007-2008 Academic Year.			
**Transfer credits from an AVMA-accredited veterinary technician program (AAS).			
***Must also pass the national veterinary technician certification examination.			

Veterinary Science option:

Declare this option if you are interested in a career in veterinary medicine. Pre-veterinary requirements for the UNL/Iowa State College of Veterinary Medicine Cooperative Veterinary Medical Program are incorporated into this option. Courses in this option may be modified to meet pre-veterinary requirements to apply to any accredited veterinary school in North America. Completion of this degree program does not guarantee you will be accepted to any veterinary school.

Science option:

Declare this option if you are interested in a career in the veterinary or biomedical sciences, but not as a veterinarian. It does not incorporate pre-veterinary requirements into it. If you are interested in a career in veterinary medicine, you should elect the Veterinary Science option described above.

Business option:

Declare this option if you are interested a career in management related to veterinary science. It melds the scientific education of the veterinary technology program with education in accounting, finance, management and marketing to provide you with knowledge and skills that will help you be a manager. It does not incorporate pre-veterinary requirements into it. If you are interested in a career in veterinary medicine, you should elect the Veterinary Science option described above.

Example Academic Plans

Sample academic plans for the Veterinary Technology major are contained in Tables 11-13 on the following pages. Use them as models to formulate your academic plan. It is important that you consult with your academic advisor throughout your academic career to help ensure that your plan will meet your goals.

**Table 11: Science Option, UNL Veterinary Technologist Major,
Sample Class Schedule, No Summer School**
(for superscript explanations, see Table 13)

Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	AGRI 103	3	CHEM 110	4
	CHEM 109	4	BIOS 102	4
	MATH 102	2	BIOS 103	4
	ENGL 150	3	AECN 141	3
	HIST/POLS 105	3		
	VBMS 101	1		
	Semester & cumulative totals	16	Semester and cumulative total	15
Sophomore	First Semester		Second Semester	
	CHEM 251	3	BIOC 321	4
	CHEM 253	1	COMM 311	3
	AGRO 315	4	SOCI 217	3
	PHIL 101	3	STAT 218	3
	JGEN 200	3	Business course	3
	Elective	3		
Semester & cumulative totals	17	Semester and cumulative total	16	
Junior	First Semester		Second Semester	
	PHYS 141	5	VBMS 403	4
	ENGL 252	3	BIOS 312	3
	ASCI 240	4	BIOS 314	1
	Business course	3	POLS 160	3
	Science elective	3	Science elective	3
Semester & cumulative totals	18	Semester and cumulative total	14	
Senior	First Semester		Second Semester	
	Semester & cumulative totals		Semester and cumulative total	

This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances

**Table 12. Business Option, UNL Veterinary Technologist Major,
Sample Class Schedule, No Summer School**
(for superscript explanations, see Table 13)

Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	AGRI 103	3	CHEM 110	4
	CHEM 109	4	BIOS 102	4
	MATH 102	2	STATS 218	3
	ENGL 150	3	HIST/POLS 105	3
	VBMS 101	1	Business course	3
	Free elective	3		
	Semester & cumulative totals	16	Semester and cumulative total	17
Sophomore	First Semester		Second Semester	
	PHYS 141	5	POLS 160	3
	JGEN 200	3	AGRO 315	4
	AECN 141	3	Business course	3
	Business course	3	Business course	3
			Free elective	3
	Semester & cumulative totals	14	Semester and cumulative total	16
Junior	First Semester		Second Semester	
	AECN 201	4	ENGL 252	3
	PHIL 101 or PHIL 106	3	VBMS 403	4
	SOCI 217	3	COMM 311	3
	Business course	3	Business elective	3
	Business elective	3	Free elective	3
	Semester & cumulative totals	16	Semester and cumulative total	16
Senior	First Semester		Second Semester	
	Semester & cumulative totals		Semester and cumulative total	

This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances

Table 13: Footnotes to Sample Academic Plans

A Course that fulfills the Communication block of the ES requirement.

B Course that fulfills the Math and Statistics block of the ES requirement.

C Course that fulfills the Human Behavior, Culture, and Social Organization block of the ES requirement.

D Course that fulfills the Science and Technology block of the ES requirement.

E Course that fulfills the Historical Studies block of the ES requirement.

F Course that fulfills the Humanities block of the ES requirement.

G Course that fulfills the Arts block of the ES requirement.

H Course that fulfills the Race, Ethnicity, and Gender block of the ES requirement.

I Course that fulfills the IS requirement.

I2 200-level IS Course.

I3 300-level IS Course.

I4 400-level IS Course.

IF Course that fulfills the International Focus requirement.

K Capstone course.



**PRE-VETERINARY SCIENCE MAJOR
(Pre-Vet)**



Pre-Veterinary Medicine (A Non-Degree-Granting Program)

The Pre-Veterinary Medicine program, commonly referred to as “Pre-Vet,” is not a degree-granting program. Its purpose is solely to qualify you to apply to the veterinary school or schools of your choice. Consequently, course requirements for the program are defined by the pre-veterinary requirements that exist for each and every veterinary school to which you wish to make application.

You can tailor your program to meet the requirements for any veterinary school in North America so you can apply to any of those schools. It is your responsibility to identify the veterinary school or schools to which you wish to apply and design your program, in consultation with your advisor, to ensure your program meets the pre-veterinary requirements for all of those schools.

Veterinary schools to which Nebraskans are known to have applied are listed in Appendix 1. A complete listing of the thirty-four American Veterinary Medical Association (AVMA)-accredited veterinary schools may be found in the latest edition of the AVMA Membership Directory and Resource Manual, at the American Veterinary Medical Association website at: <http://www.avma.org>, or at the Association of American Veterinary Medical Colleges website at: <http://www.aavmc.org>.

Should I be in Pre-Vet or in a Degree-Granting Program?

You may enter UNL as a student in the Pre-Veterinary program, but after 2 or 3 semesters in that program, we will encourage you to declare a major in a degree-granting program. The Pre-Vet program at UNL is not a degree-granting program.

Veterinary schools do not care what your academic major is as long as you complete their pre-veterinary programs. Most of the students at UNL interested in going to veterinary school declare either Veterinary Science or Animal Science (Pre-Vet option) as their major. Some declare both majors.

Discuss your situation with your Pre-Vet advisor. He or she will help you make the decision that is best for you.

UNL/ISU Cooperative Veterinary Medical Education Program Pre-Veterinary Requirements

Pre-veterinary requirements for the Cooperative Veterinary Medical Education Program are listed in Table 14.

Table 14. Summary of Pre-veterinary Medicine Requirements for UNL/ISU Cooperative Veterinary Medical Education Program*		
Area	Credit Hours	UNL Course(s)
English Composition – composition or writing emphasis, business or technical writing)	6	ENGL 150, ENGL 151, JGEN 120, JGEN 200, JGEN 300
Oral Communication – public speaking, interpersonal communication, group or organizational communication or speaking-emphasis course.	3	COMM 209, COMM 212, COMM 311
General Chemistry – series for biological sciences majors with one semester of lab	7	CHEM 109, CHEM 110
Organic Chemistry – series with one semester of lab	7	CHEM 251, CHEM 252, CHEM 253
Biochemistry – no lab required	3	BIOC 321, BIOC 431
Physics – first semester of a 2-semester series with lab. Must include mechanics, fluids, heat and thermodynamics, vibrations, waves and sound.	4	PHYS 141
General Biology – 2 semesters each with a lab.	8	BIOS 102, BIOS 103
Genetics – both Medellin and molecular genetics, no lab required	3	AGRO 315, BIOS 206
Mammalian Anatomy and/or Physiology	3	ASCI 240
Arts, Humanities and/or Social Sciences	8	Electives
Electives	8	Electives
Program Total	60	
<p>*Other admissions requirements to the program:</p> <ul style="list-style-type: none"> ● Cumulative GPA of 2.50 on a 4.00 scale, ● 60 credit hours completed by Spring Term of year in which admission occurs, ● All but 2 required science courses must be completed by end of fall term in which application occurs, ● Up to 2 required science courses may be taken the spring term prior to admission, ● Other required, non-science courses must be completed by the end of the spring term prior to admission, ● A grade of at least a C (2.00) must be earned in all required courses. A C-minus or lower is not acceptable. ● Credit for all required courses must be earned from an accredited college or university and graded, A – F. Pass/No Pass or Satisfactory/Unsatisfactory or similar grading system is unacceptable. 		

Example Academic Plans

Sample academic plans for the pre-veterinary program meeting the UNL/ISU Cooperative Program requirements are contained in Tables 15 and 16 on the following pages. Use them as models to formulate your academic plan. It is important that you

consult with your academic advisor throughout your academic career to help ensure that your plan will meet your goals.

Table 15: Pre-Veterinary Medicine Sample Class Schedule for Cooperative Veterinary Medicine Program Requirements – No Summer School				
Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	CHEM 109	4	CHEM 110	4
	BIOS 102	4	BIOS 103	4
	ENGL 151	3	ENGL 252	3
	MATH 102* .E	2	PHIL 101 ^H	3
	Semester & cumulative totals	13	Semester and cumulative total	14
Sophomore	First Semester		Second Semester	
	CHEM 251	3	CHEM 252	3
	CHEM 253	1	AGRO 315	4
	COMM 311	3	ASCI 240	4
	AECN 141 ^H	3	POLS 160 ^H	3
	MNGT 121 ^H	3		
Semester & cumulative totals	13	Semester and cumulative total	14	
Junior	First Semester		Second Semester	
	PHYS 141	5	PHYS 142**	5
	BIOS 312**	3	BIOC 431	4
	BIOS 314**	1	VBMS 403 ^E	4
	VBMS 410 ^E	4		
Semester & cumulative totals	13	Semester and cumulative total	13	
This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances				

*MATH 102 is a prerequisite for PHYS 141 and PHYS 142.

**Additional course requirements to qualify for KSU Veterinary Medicine Program.

E Course fulfills electives for ISU and KSU

H Course fulfills arts, humanities and social sciences for ISU and KSU

**Table 16: Pre-Veterinary Medicine
Sample Class Schedule for Cooperative Veterinary Medicine Program
Requirements – Summer School**

Year	First Semester		Second Semester	
	Course	Credit hours	Course	Credit hours
Freshman	BIOS 102	4	ENG 252	3
	ENGL 151	3	BIOS 103	3
	MATH 102 ^{*,E}	2	PHIL 101 ^H	3
	HIST 120 ^E	3	MNGT 121 ^H	3
	Semester & cumulative totals	12 (12)	Semester & cumulative totals	12 (24)
SS	First Session		Second Session	
	CHEM 109	4	CHEM 110	4
	Session & cumulative totals	4 (28)	Session & cumulative totals	4 (32)
Sophomore	First Semester		Second Semester	
	CHEM 251	3	CHEM 252	3
	CHEM 253	1	SOCI 217 ^E	3
	COMM 311	3	AGRO 315	4
	POLS 160 ^H	3	ASCI 240	4
	AECN 141 ^H	3		
	Semester & cumulative totals	13 (45)	Semester & cumulative total	14 (59)
SS	First Session		Second Session	
	PHYS 141	5	PHYS 142 ^{**}	5
	Session & cumulative totals	5 (64)	Session & cumulative totals	5 (69)
Junior	First Semester		Second Semester	
	BIOS 312 ^{**}	3		
	BIOS 314	1		
	BIOC 431	4		
	VBMS 410 ^E	4		
	Semester & cumulative totals	12 (81)	Semester and cumulative total	
This is only a guideline. Talk to your advisor about your circumstances and make a plan than suits you and your circumstances				

*MATH 102 is a prerequisite for PHYS 141 and PHYS 142.

**Additional course requirements to qualify for KSU Veterinary Medicine Program.

E Course fulfills electives for ISU and KSU

H Course fulfills arts, humanities and social sciences for ISU and KSU



WHAT ARE YOU GOING TO DO AFTER GRADUATION FROM UNL?



UNIVERSITY OF
Nebraska
Lincoln

WHAT TO DO AFTER YOU HAVE COMPLETED YOUR PROGRAM

You are working toward earning your bachelor's degree or qualifying to apply to veterinary school or some other professional school, or both. As you near the end of your undergraduate academic career, you will have to decide what comes next: get a job, apply to professional school, or go to graduate school.

Veterinary science is more than veterinary medicine. You can have a career in veterinary science as a veterinarian or non-veterinarian. We hope the information provided here helps you identify and assess which career path is right for you.

A Veterinary Science Career as a Non-Veterinarian

Veterinary Science and Veterinary Technology majors wishing to obtain employment in an animal health-related field are referred to the CASNR *Ensuring Your Future* Program described previously in this handbook. You are encouraged to participate in that program regardless what your academic goals are.

UNL Career Services exists to serve UNL students and alumni by offering comprehensive career counseling and job placement services. Counselors there can help you establish personal career goals, develop a plan to reach those goals, and to find and apply for jobs related to your goals, interests and training. Additionally, CASNR has a career specialist dedicated solely to CASNR students. The CASNR career counselor's office is located in the East Campus Union on the third floor and may be reached at 402-472-8273. UNL Career Services offices are in the City Campus Union, Room 230 and can be contacted at 402-472-3145. The Career Services website may be found at: <http://www.unl.edu/careers/>.

UNL Career Services hosts several career fairs during each academic year, one specifically for CASNR. Specific dates may be found at: <http://www.unl.edu/careers/events/>. You are encouraged to attend those career fairs as early as possible, certainly during your sophomore year and especially your junior and senior years. You may develop some good leads for internships during your sophomore and junior years.

Graduate School

Students wishing to continue their education by pursuing a graduate degree are also referred to UNL Career Services. It is very important that you discuss your plans with your academic advisor or other faculty in the discipline in which you wish to continue your studies. Admission to graduate school will require you to complete a standardized test, most likely the Graduate Record Examination (GRE) and obtain letters of recommendation. Details about applying to graduate schools may be found on graduate

schools' websites. The UNL Graduate School website is at:
<http://www.unl.edu/gradstudies/>.

Professional School

Students wishing to apply to veterinary school are referred to the next section. Those wishing to apply to other professional schools are referred to the websites for such professional schools. Pre-professional requirements may also be found at those websites.

Websites for professional schools at the University of Nebraska are listed below:

UN Medical School: <http://www.unmc.edu/dept/com/>.

UN Pharmacy School: <http://www.unmc.edu/pharmacy/>.

UN Nursing School: http://app1.unmc.edu/nursing/conweb/pub_home.cfm.

UNL Dental College: <http://www.unmc.edu/dentistry/home.htm>.

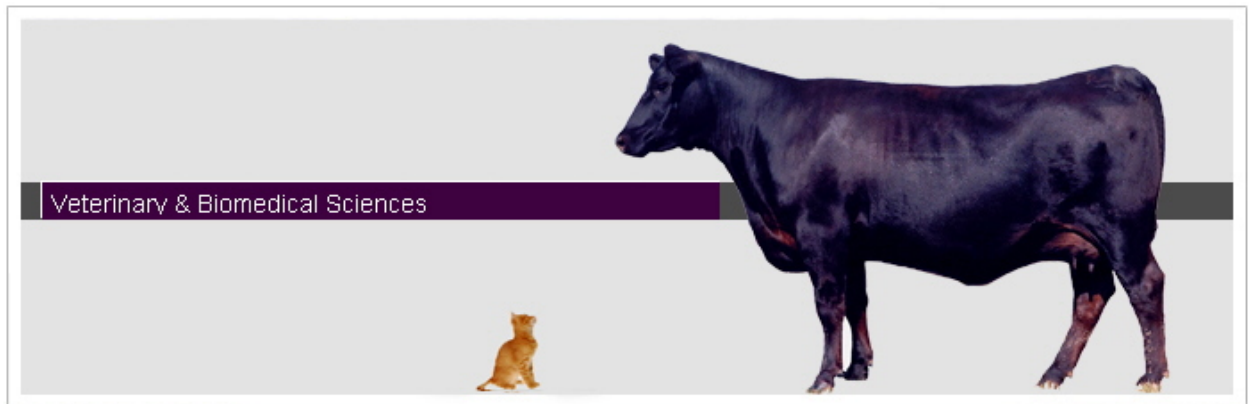
UN School of Allied Health Professions:

<http://www.unmc.edu/dept/alliedhealth/>.

UNL Law College: <http://law.unl.edu/>.



VETERINARY MEDICAL EDUCATION OPPORTUNITIES FOR NEBRASKANS



UNIVERSITY OF
Nebraska
Lincoln

VETERINARY MEDICAL EDUCATION OPPORTUNITIES FOR NEBRASKANS

The Professional Program in Veterinary Medicine

University of Nebraska–Lincoln (UNL) and Iowa State University (ISU), home of the country's first public veterinary school, are collaborating to offer qualified Nebraska students a professional program in veterinary medical education. This program is fully accredited by the American Veterinary Medical Association's Council on Education.

Program features

- Up to twenty-five students will be admitted each year to the program, for a total enrollment of 100 students in the 4 year veterinary medical curriculum.
- Students entering veterinary school under this program will complete the first two years of the four-year veterinary medical curriculum at the UNL campus in Lincoln, Nebraska.
- Students successfully completing the first 2 years of the curriculum will complete the last two years in residence at the ISU CVM in Ames, Iowa.
- Students in the program will pay the current resident tuition and fees established by the ISU CVM.
- Students will receive a Doctor of Veterinary Medicine Degree from ISU

Admission requirements:

1. Complete the Program's Pre-Veterinary requirements at an accredited college or university. Pre-veterinary requirements for the program are listed in the table on the following page.

Table 17. Summary of Pre-veterinary Medicine Requirements for UNL/ISU Cooperative Veterinary Medical Education Program*		
Area	Credit Hours	UNL Course(s)
English Composition – composition or writing emphasis, business or technical writing)	6	ENGL 150, ENGL 151, JGEN 120, JGEN 200, JGEN 300
Oral Communication – public speaking, interpersonal communication, group or organizational communication or speaking-emphasis course.	3	COMM 209, COMM 212, COMM 311
General Chemistry – series for biological sciences majors with one semester of lab	7	CHEM 109, CHEM 110
Organic Chemistry – series with one semester of lab	7	CHEM 251, CHEM 252, CHEM 253
Biochemistry – no lab required	3	BIOC 321, BIOC 431
Physics – first semester of a 2-semester series with lab. Must include mechanics, fluids, heat and thermodynamics, vibrations, waves and sound.	4	PHYS 141
General Biology – 2 semesters each with a lab.	8	BIOS 102, BIOS 103
Genetics – both Medellin and molecular genetics, no lab required	3	AGRO 315, BIOS 206
Mammalian Anatomy and/or Physiology	3	ASCI 240
Arts, Humanities and/or Social Sciences	8	Electives
Electives	8	Electives
Program Total	60	
<p>*Other admissions requirements to the program:</p> <ul style="list-style-type: none"> ● Cumulative GPA of 2.50 on a 4.00 scale, ● 60 credit hours completed by Spring Term of year in which admission occurs, ● All but 2 required science courses must be completed by end of fall term in which application occurs, ● Up to 2 required science courses may be taken the spring term prior to admission, ● Other required, non-science courses must be completed by the end of the spring term prior to admission, ● A grade of at least a C (2.00) must be earned in all required courses. A C-minus or lower is not acceptable. ● Credit for all required courses must be earned from an accredited college or university and graded, A – F. Pass/No Pass or Satisfactory/Unsatisfactory or similar grading system is unacceptable. 		

2. Submit completed Nebraska Resident Certification form for approval to the UNL Office of Undergraduate Admissions (see <http://vetmed.unl.edu/admissions/apply.html> for details).
3. Cumulative grade point average of at least 2.5 on 4.0 scale.
4. Make application to the Program.

More information about the Professional Program may be found at its website <http://vetmed.unl.edu>.

Application and Admission to the Professional Program in Veterinary Medicine

Application Deadlines:

Deadlines for the various parts of the application process vary from year-to-year. Consult the Professional Program website for specific deadlines applicable for the current application year: <http://vetmed.unl.edu>.

Application: Application to the Professional Program in Veterinary Medicine is made through the ISU CVM using the Veterinary Medical Application Service (VMCAS). Details about VMCAS application may be found at its website: <http://www.aavmc.org/vmcas/vmcas.htm>.

The Veterinary Medical College Application Service (VMCAS) is a service that allows students to apply to a number of veterinary colleges in the United States and Canada by completing only one application. It receives the information supplied by each applicant, enters this information into a computerized database, and distributes the information to the participating veterinary school(s) of the student's choice. The service is not fee; current fees are listed at: http://www.aavmc.org/vmcas/vmcas_fees.htm.

Many veterinary schools require additional information or a supplemental application to be submitted in addition to the VMCAS application. Check with the veterinary schools to which you desire to apply to learn if they use VMCAS or if additional supplemental applications are required.

As an aside, statistics describing veterinary schools; their tuition, fees and other expenses; and their applicants and admitted students may be found at this VMCAS website: http://www.aavmc.org/students_admissions/statistics.htm.

Letters of Recommendation:

You must submit a minimum of three letters of recommendation as part of your veterinary school application materials. Here are some things to consider about those letters.

You should carefully choose who you ask to write your letters of recommendation. Such letters cannot be written by your relatives, whether they are related by blood or marriage. Ask professionals who can evaluate your ethics, communication abilities, intelligence,

and dedication to veterinary medicine. We recommend you ask the professionals listed below:

- 1) Your academic advisor (do not visit this person for the first time when you ask for a letter of recommendation).
- 2) A veterinarian for whom you have worked.
- 3) A non-veterinarian professional with whom you have had contact, such as an instructor or job supervisor.

The length of time the professionals have been acquainted with you is not as important as how well they know you. However, the earlier you establish a relationship with them, the more likely their letters of reference will contain information of substance.

Use proper etiquette when you ask for letters of recommendation. Consider the following guidelines as you ask people to write your letters of recommendation.

- 1) Ask the professionals 4-6 weeks before the deadline and then regularly check with them to make sure they are working on the letters.
- 2) Ask the professionals to assess your ethics, communication abilities, intelligence, and dedication to veterinary medicine. Ask them to support their assessments with specific examples from their contact with you. Specific examples are better than generalizations alone.
- 3) Ask the professionals if they prefer to send their letters as an electronic or printed document. If they elect to send a printed document, provide them with a copy of the VMCAS evaluation form or of the form used by the veterinary schools to which you are making application. Provide a pre-addressed and stamped envelope for VMCAS or for each veterinary school to which you are making application, too.
- 4) Check your personal VMCAS account or the veterinary schools to which you are making application to determine if the letters have been received.

Graduate Record Examination (GRE): Each applicant must take the GRE and official results of the examination must be received at the ISU CVM by the deadline. Further information about the GRE may be found at its website: www.gre.org.

Official transcripts: Official transcripts for all undergraduate, graduate and continuing education coursework must be sent DIRECTLY TO THE ISU CVM at the address listed below. DO NOT send them to VMCAS. Transcripts are required from ALL postsecondary institutions including those whose courses are listed as transfer credits at other institutions, those at which you took only one course, and those from which you received college credit while in high school. Transcripts are required for courses taken at any foreign institution which are used to fulfill any pre-veterinary requirement, even if they appear as transfer credits on a US institution. That includes any courses taken as study abroad.

Mail all transcripts to:

Veterinary Medicine Admissions
2270 Veterinary Medicine
Iowa State University
PO Box 3020
Ames, IA 50010-3020

ISU CVM Supplemental Application: All applicants are required to complete the online ISU CVM Supplemental Application, which may be accessed at its website: <http://www.vetmed.iastate.edu/students/services/admissions/applicationprocess.asp>. Copy the signature page and the application for your records. Send the signed signature page and \$60 processing fee to the same address as that listed above for the transcripts. Make checks payable to Iowa State University and write your VMCAS ID on the signature page and check..

Certification of Nebraska Residency:

Applicants for the Cooperative Veterinary Medical Education Program must certify their Nebraska residency by completing a Nebraska Residency Certification form and sending it to the ISU CVM through UNL Registration and Records.

Personal Interview:

Qualified applicants to the Cooperative Veterinary Medical Program are invited to interview with the Cooperative Veterinary Medical Program Application Committee. Applicants selected for an interview will be notified about the interview schedule and procedures, but they are generally held in early January.

Checking the Status of Your Application:

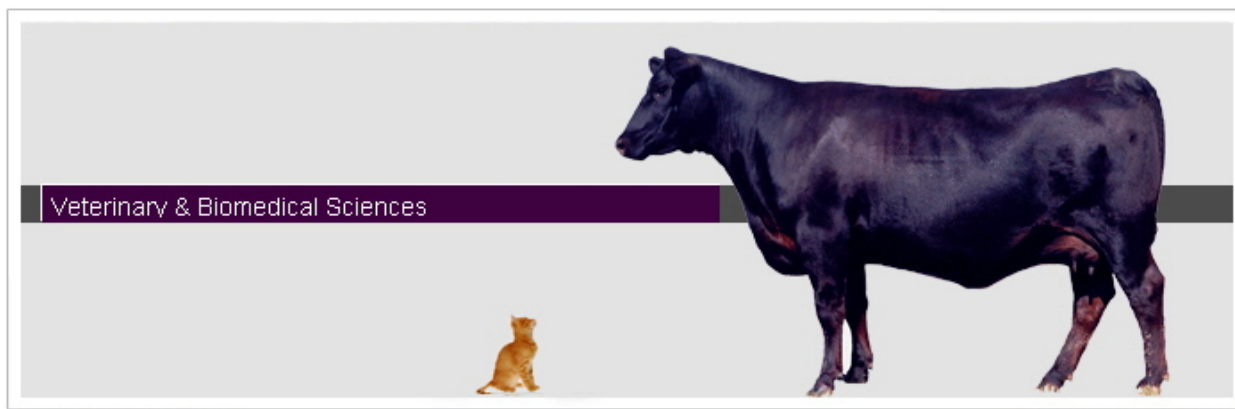
Applications made to the Cooperative Program will be reviewed for completeness and academic eligibility, including pre-veterinary requirements, at the ISU CVM. Applicants will be notified by e-mail if any materials are missing or if any deficiencies in coursework are present. That notification will be made ONLY ONCE.

All communication with the applicant will be by e-mail so it is imperative that the ISU CVM has your current e-mail address. Note that some e-mail services may reject mail from Iowa State University, so determine if your provider will pass through e-mail from ISU.

Applicants will be able to check the status of their ISU CVM application online, including any problems encountered.



DEVELOP YOUR LEADERSHIP POTENTIAL



UNIVERSITY OF
Nebraska
Lincoln

DEVELOP YOUR LEADERSHIP POTENTIAL

Employers, graduate school faculty and professional school faculty will ask you to provide evidence that you have developed your leadership potential. One of the best ways to develop your leadership potential is to become involved in an extracurricular activity. There are numerous clubs and organizations at UNL to which you may belong. Organizations that are usually among those of interest to our students are listed below.

It does not really matter in which extracurricular activity you participate, as long as you participate. Select one or two that you enjoy and get involved. Seek leadership opportunities as you participate.

Some organizations that may be of interest to you are described below. Additional information about extra-curricular activities may be found at the UNL Student Involvement website: <http://si.unl.edu/>. Visit it often to keep up on current opportunities.

A listing of honor societies is also included.

NU Pre-Veterinary Club

The NU Pre-Veterinary Club, sponsored by the Department of Veterinary and Biomedical Sciences, is an organization of students who share a common interest in animal health and the veterinary profession. Any student interested in veterinary medicine, regardless of major or intent to apply to veterinary school is invited to join the club. The club is one of the largest and most active pre-veterinary clubs in the nation, as well as one of the most involved students organizations at UNL. Through meetings, activities, community service, club promotion and campus involvement, club members get to know each other well. At the same time, they form close friendships, learn more about the veterinary profession, stay up to date on veterinary school application information, and network with possible future colleagues!

Meetings

The Club meets on the second Wednesday evening of every month during the academic year at 7:00 pm in the East campus Union. New members are asked to arrive at 6:30 pm. (Check the Daily Nebraskan for the next meetings and the kiosk in the East Union for the meeting room.) Each meeting has a featured presentation related to some aspect of animal health or veterinary medicine. The Club also conducts a business portion of the meeting in addition to the featured presentation.

Activities

The NU Pre-Veterinary Club's annual activities include a Welcome Back Picnic, a fall and spring Dog Wash, a tour of the Great Plains Veterinary Educational Center in Clay Center, a holiday social with the faculty and staff of the Department of Veterinary and

Biomedical Sciences, a trip to the ‘American Pre-Veterinary Medical Association Symposium, and a behind the scenes tour of Omaha’s Henry Doorly Zoo. The club also participates in many social activities including bowling, ice skating, and laser tag. Club members are recognized for outstanding service and participation or acceptance into veterinary school at the annual Spring Banquet. The Club also meets for fun social activities such as bowling and ice-skating.

Community Service

The Club participates in service activities each year. The Club has put on demonstrations for children at the Lincoln Children’s Museum, Science Day at the mall, and the Nebraska State Fair. Club members have exchanged some of their time for valuable experience volunteering at the Capital Humane Society as well as Hearts United for Animals in Auburn. The Club has also been active in creating a better campus environment, by picking up trash in a designated section of the East Campus and has helped cultivate mealworms for feeding birds of prey recovered by the Raptor Recovery Center. The past two years, the Club has participated in the Birthing Center at the Nebraska State Fair.

Club Promotion and Involvement

NU Pre-Veterinary Club members help to promote the organization by hosting a booth at Big Red Welcome, the Student Involvement Fair, and the State FFA Convention. The Club also participates in annual campus-wide activities such as Prairie Stomp, Homecoming Week Festivities, and CASNR Week Festivities.

Club meeting minutes are available in the Pre-Veterinary Advising Center, room 112 VBS, and by email, via listserve, after each meeting, as well as being posted on the PVC’s web site (www.unl.edu/PreVetClub/). You are encouraged to be an active member in the club, volunteer to serve on one of the many committees needed to coordinate all of the club’s activities during the academic year, and perhaps run for an executive office at election time, which is usually the March meeting. Be an active member, not just a name on a list of those who have paid their dues! You will find that the NU Pre-Veterinary Club can be a valuable resource to utilize for becoming a prepared applicant to veterinary school!

SELECTED EXTRACURRICULAR ORGANIZATIONS

Association of Students of the University of Nebraska (ASUN)

ASUN is the official student governing body for UNL. Its members are made up of elected and appointed representatives from all segments of the student community. For more information, visit its website: <http://www.unl.edu/asun/>.

Block and Bridle Club

The purpose of Block and Bridle Club is to promote higher scholastic standards among students of animal science and to promote the animal industry. For more information, visit: <http://einvolvement.unl.edu/index.php?searchByName=b>.

CASNR Student Advisory Board

CASNR Advisory Board is an elected body made up of students from each department in the College of Agricultural Sciences and Natural Resources that serves as a liaison with the Dean in dealing with policies and curriculum. For more information, contact the CASNR Dean's office: 402-472-2201.

Ecology NOW

Ecology NOW's purpose is to disseminate information for greater awareness and appreciation of the earth's atmosphere; emphasizing problems of pollution, waste and resource abuse. Members also focus on finding solutions to these problems. For more information, visit: <http://einvolvement.unl.edu/index.php?searchByName=e>.

Sigma Alpha

Sigma Alpha is a professional sorority for women in agriculture. The sorority requires a 2.25 minimum GPA and 75% of its members must be majors in the College of Agricultural Science and Natural Resources. The purpose of Sigma Alpha is to promote women in all facets of agriculture and to strengthen the bonds of friendship among them through various activities such as meetings, philanthropic activities, and social activities. For more information, visit: http://www.ianr.unl.edu/sigma_alpha/.

Student Alumni Association

The Student Alumni Association is a board of approximately 50 students working through the Alumni Association to promote interaction between alumni, students, and faculty for the benefit of UNL. For more information, visit: <http://www.huskeralum.com/programs/saa/student.htm>.

University Ambassadors

University Ambassadors serve as a liaison between the Office of Admissions and the current and prospective students of UNL. They promote UNL through tours, high school visitations, and other means. For more information, visit: <http://einvolvement.unl.edu/index.php?searchByName=u>.

University Collegiate 4-H Club

Collegiate 4-H promotes, exercises, maintains, and increases interest in 4-H from local through international levels. For more information, visit: <http://einvolvement.unl.edu/index.php?searchByName=c>.

UNL FFA Alumni Association

FFA Alumni promote agricultural leadership and development, assist with state and national FFA conventions and the Nebraska State Fair, as well as provide scholarships, workshops, and a fall picnic. For more information, visit: <http://einvolvement.unl.edu/index.php?searchByName=f>.

UNL Rodeo Association

The UNL Rodeo Association exists to maintain and increase the interest of college students in the sport of rodeo. For more information, visit:

<http://einvolvement.unl.edu/index.php?searchByName=r>.

UNL Wildlife Club

UNL Wildlife Club is an organization of people who have a common interest in our natural resources and are concerned about the proper use of these resources. For more information, visit: <http://einvolvement.unl.edu/index.php?searchByName=r>.

Honor Societies

Alpha Lambda Delta and Phi Eta Sigma

Purpose: To provide honor societies for first year students.

Eligibility: Members must be first year students with a 3.75 GPA or above with a minimum of 12 graded hours. There are initiation dues.

Activities: Initiation ceremonies for new members are held each spring and fall.

Alpha Zeta

Purpose: To promote agriculture, the most fundamental industry in the world, while encouraging and developing its actual and potential leadership. Alpha Zeta was founded not as an honor society but as an Honorary Agricultural Service Fraternity.

Eligibility: Members include both women and men, are selected by current members, and must be at least second-year students in the top 40% of the college. Leadership qualities are a necessity. Members must pay a one-time initiation fee as well as annual dues.

Activities: Activities include the Annual Quiz Bowl, the Agricultural Education Outreach Program, fundraisers and other activities.

Other: Alpha Zeta is one of the leading agricultural honorary service societies and was founded in 1897.

Gamma Sigma Delta

Purpose: To encourage the advancement and improvement in all branches of the agricultural sciences and the agricultural industry.

Eligibility: Selected from the top 15% of the senior class. Members can also be selected from graduate students, faculty, and alumni who show outstanding performance. Faculty members have at least three years prior association with the University. There are national and local annual dues.

Activities: Activities include a scholarship recognition dinner in the spring to honor the top 10% of the sophomore and junior classes and the outstanding sophomore and senior.

There is an initiation and awards banquet in the fall. An outstanding researcher, teacher and extension person are also recognized.

Other: Gamma Sigma Delta is a national honorary. The officers are members of the faculty.

Golden Key National Honor Society

Purpose: To recognize and encourage scholastic achievement among students from all academic fields as well as to unite talented undergraduate students with prominent faculty and university administrators who are active in Golden Key at the chapter and national levels.

Eligibility: Membership is by invitation only and is limited to no more than the top 15% of juniors and seniors enrolled at UNL, having maintained at least a cumulative 3.6 GPA. Part-time as well as full-time students qualify, and membership is open to traditional and non-traditional students. There is a national membership fee (lifetime).

Activities: All members are encouraged to participate. There are opportunities to hold an office and to participate in Golden Key National Honor Society activities that promote academic achievement, serve the community, and promote social interaction. Golden Key's largest activity is "The Best of America Say NO" national anti-drug campaign.

Other: Corporations seek to recruit Golden Key members, recognizing that members are distinguished nationally for their academic excellence. The national magazine *CONCEPTS* also features "Career Assistance Reference," a listing of corporate recruiters to provide contact for career opportunities.

Innocents Society

Purpose: Recognition of students with high scholastic achievement and outstanding involvement.

Eligibility: Membership is open to students with junior standing, and new members are selected by present members. Generally a 3.5 average or above is recommended, although not required. There are no fees.

Activities: Activities include co-sponsoring Masters Week with Mortar Board, working with visiting high school students, the Annual Honors Convocation, Ivy Day and other community philanthropic projects. The Innocents Society also conducts a bell exchange with the University of Missouri during a regular season football game.

Other: Innocents is a highly selective (13 total members) organization that is unique to the University of Nebraska-Lincoln.

Mortar Board

Purpose: To provide for cooperation among Senior Honor Societies, to promote and advance the status of women, to support the ideals of the university, to advance a spirit of

scholarship, to recognize and encourage leadership, and to provide the opportunity for a meaningful exchange of ideas as individuals and as a group.

Eligibility: Membership is based on service and scholarship. Members must have a 3.3 or higher GPA and have junior or equivalent status. There is an initiation fee.

Activities: Mortar Board also co-sponsors Masters Week and Ivy Day. Each chapter is charged with the responsibility of helping humanity through a valuable act.

Omicron Delta Kappa

Purpose: To recognize those who have attained a high standard of efficiency in collegiate activities and to inspire others to strive for conspicuous attainments along similar lines; to bring together the most representative students in all phases of collegiate life and thus to create an organization which will help to mold the sentiment of the institution on question of local and intercollegiate interest; and to bring together members of the faculty and student body or the institution, as well as other ODK members, on a basis of mutual interest, understanding, and helpfulness.

Eligibility: Attendance of at least one-half academic year at UNL; junior, senior, or graduate standing at UNL; rank in the top 35% in scholarship among all juniors, seniors or graduate students at UNL.

Activities: A member of campus and community service projects, round table discussions, and activities with other ODK chapters and student organizations on the UNL campus.

Appendix 1

Veterinary Schools to Which Nebraskans Have Applied	
Name of Veterinary School	Location
Cooperative Veterinary Medical Education Program, UNL/ISU	Lincoln, Nebraska
Colorado State University College of Veterinary Medicine and Biomedical Sciences	Fort Collins, Colorado
Cornell University college of Veterinary Medicine	Ithaca, New York
Iowa State University College of Veterinary Medicine	Ames, Iowa
Kansas State University College of Veterinary Medicine	Manhattan, Kansas
Minnesota University College of Veterinary Medicine	St. Paul, Minnesota
University of Missouri College of Veterinary Medicine	Columbia, Missouri
The Ohio State University College of Veterinary Medicine	Columbus, Ohio
Oklahoma State University College of Veterinary Medicine	Stillwater, Oklahoma
Texas A&M University College of Veterinary Medicine & Biomedical Sciences	College Station, Texas
University of Wisconsin-Madison School of Veterinary Medicine	Madison, Wisconsin

Appendix 2

Undergraduate Advisors in the Department of Veterinary & Biomedical Sciences	
Advisor's name	Office, phone number, e-mail address
Laura Hardin, DVM, PhD Chief Undergraduate Advisor	202 Agriculture Hall 402-472-5888 lhardin2@unl.edu
Bruce W. Brodersen, DVM, PhD	124 Veterinary Diagnostic Center 402-472-5471 bbrodersen1@unl.edu
Michael P. Carlson, MS, PhD	142 Veterinary Diagnostic Center 402-472-8459 mcarlson3@unl.edu
Alan R. Doster, DVM, PhD	137 Veterinary Diagnostic Center 402-472-9683 adoster@unlnotes.unl.edu
Clayton L. Kelling, DVM, PhD	210 Veterinary Basic Science 402-472-3040 ckelling1@unl.edu
Rodney A. Moxley, DVM, PhD	111 Veterinary Basic Science 402-472-8460 moxley@unlnotes.unl.edu
Douglas G. Rogers, DVM, PhD	138 Veterinary Diagnostic Center 402-472-8464 drogers1@unl.edu
David J. Steffen, DVM, PhD	149 Veterinary Diagnostic Center 402-472-1434 dsteffen1@unl.edu

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DEPARTMENT OF VETERINARY AND BIOMEDICAL SCIENCES
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