



Veterinary Nursing A.A.S.

Career Community: Science and Mathematics

Curriculum Code: 0287

Effective: Fall 2025 – Summer 2030

Purpose of the Major

Veterinary nurses are professionals dedicated to animal health care. They are vital members of the veterinary medical team and are trusted with diverse medical responsibilities, including animal nursing care, life support, laboratory specimen analysis, physical therapy, surgical assistance, anesthesia, dental hygiene, X-ray imaging, nutritional management, and client education. The variety in veterinary nursing makes it a challenging medical career for those who enjoy working with animals and people. Career opportunities exist with veterinary hospitals, biomedical research institutions, zoological parks, and other animal care facilities.

This program is offered through a joint agreement between Lansing Community College (LCC) and Michigan State University (MSU), with Major courses taught by MSU and General Education courses taught by LCC.

Milestone

Completion of the required General Education Math, English, and Science courses are key components for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses. See Additional Information below regarding MSU's grade requirements.

Additional Information

To be considered for admission to MSU's Certificate or Bachelors program, an applicant must have a minimum cumulative GPA of 2.75, a minimum Math and Science GPA of 2.5 (with a minimum of 2.0 in all prerequisite Math and Science courses), and a minimum GPA of 2.5 for the applicant's most recent 12 credits.

Additionally, a minimum grade of 2.0 is required for the Program of Study Required Course, Limited Choice areas of English Composition or Applied English, English Composition (second course)/Communication or Applied Communication, and Humanities and Fine Arts or Social Sciences or Applied Social Sciences.

MSU's admission is competitive. Please consult MSU College of Veterinary Medicine for application deadlines. Successful applicants would start attending classes at the MSU Veterinary School the following fall semester. Students are advised to have a strong background in biology, chemistry, algebra and writing. Students must seek at least 80 hours of experience in the veterinary clinical setting. This experience will help students form the foundation for career development and is part of MSU's admission requirements. Students planning to transfer should see an academic advisor before enrolling in any course.

Contact Information

For further information, including career options, course substitutions and waivers, etc., contact the Science Department, Arts & Sciences Building, Room 3203, telephone number (517) 483-1092 or the [MSU Veterinary Nursing Program](#), or the Center for Academic and Career Pathways – GB StarZone, telephone number (517) 483-1904.

Major Required Course, Limited Choice - English Composition or Applied English

– *Select one*

Course Code	Course Title	Credit / Billing Hours
ENGL 121	Composition I	4 / 4
ENGL 131	Honors Composition I	4 / 4
ENGL 122	Composition II	4 / 4
ENGL 132	Honors Composition II	4 / 4

Major Required Course, Limited Choice - English Composition (second course)/Communication or Applied Communication – *Select one*

Course Code	Course Title	Credit / Billing Hours
COMM 120	Dynamics of Communication	3 / 3
COMM 130	Fundamentals Public Speaking	3 / 3

Major Required Course, Limited Choice, Humanities and Fine Arts or Social Sciences or Applied Social Sciences – *Select one*

Course Code	Course Title	Credit / Billing Hours
ECON 120	Power, Authority and Exchange	4 / 4
GEOG 200	World Regional Geography	4 / 4
HUMS 160	Mythology	4 / 4
HUMS 223	The Western World to 1500	4 / 4
HUMS 224	The Western World since 1500	4 / 4
MUSC 240	Musical Cultures to 1750	4 / 4
MUSC 241	Musical Cultures 1750-Present	4 / 4
PHIL 211	Philosophy: Ancient & Medieval	4 / 4
PHIL 212	Philosophy: Modern & Contemporary	4 / 4
SOCL 120	Introduction to Sociology	4 / 4

Major Required Course, Limited Choice, Mathematics or Applied Mathematics – *Select one*

Course Code	Course Title	Credit / Billing Hours
MATH 120	College Algebra	4 / 4
MATH 126	Precalculus	5 / 5
MATH 151	Calculus I	4 / 4

Major Required Course, Limited Choice, Natural Sciences Lab or Applied Sciences and Technology Lab –Select one

Course Code	Course Title	Credit / Billing Hours
BIOL 121	Biol Foundation for Physiology	4 / 6
BIOL 127	Cell Biology	4 / 6

Note: BIOL 127 is highly recommended for this degree.

MSU Veterinary Nursing Courses

Forty-three (43) credits from the Veterinary Nursing Certificate of Completion from Michigan State University and fifteen (15) credits of veterinary clinical clerkship.

Institutional Requirements

Choose an appropriate Lansing Community College course or courses so the total number of credits taken at LCC is 15 or more per college policy, and so at least 60 credits are earned toward the degree. Part of this requirement may automatically be fulfilled if a student completes 15 or more credits of the Program of Study Required Courses at LCC.

General Education – Applied Degrees

- English Composition or Applied English
Major Required Courses will meet this requirement.
- English Composition (second course) or Communication or Applied Communication
Major Required Courses will meet this requirement.
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Major Required Courses will meet this requirement.
- Mathematics or Applied Mathematics
Major Required Courses will meet this requirement.
- Natural Sciences Lab or Applied Sciences and Technology Lab
Major Required Courses will meet this requirement.

Additional Credits

After completing the course and credit requirements as noted on this pathway, students who fall short of the 60-credit minimum required for an Associate Degree may select any course(s) needed to reach 60 credits, except those courses noted in number 7 in the [Institutional Requirements for Associate Degrees](#). Students are encouraged to use Degree Works and meet with an Advisor to ensure all requirements are met and for course recommendations.

Minimum Total Credit Hours

62 credit hours/ 21 billing hours

Recommended Course Sequence

(Sequence may be determined based on prerequisites for the courses. To obtain current prerequisite information, search for the course in Banner and select “View Catalog Entry”.)

Semester I
Limited Choice English Composition or Applied English Limited Choice Mathematics or Applied Mathematics Limited Choice Natural Sciences Lab or Applied Sciences or Technology Lab
Semester II
Limited Choice English Composition (second course) or Communication or Applied Communication Limited Choice Humanities and Fine Arts or Social Sciences or Applied Social Sciences
Semester III
Veterinary Nursing courses from MSU
Semester IV
Veterinary Nursing courses from MSU
Semester V
Veterinary Nursing courses from MSU
Semester VI
Veterinary Nursing courses from MSU
Semester VII
Internship

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree titles, and make course changes as needed, without prior notice. The College also reserves the right to discontinue programs when warranted.