Do you have a soft spot for animals and their health? Do you see yourself working in a vet clinic or on a farm some day? If so, a veterinary medicine degree might be the path for you. To become a vet, you'll first need an bachelor's degree with a solid foundation in the life or physical sciences. Recommended majors at Wayne State include the biology or chemistry pre-veterinary medicine degree tracks. After graduating from WSC, you'll move on to graduate work at a professional veterinary medicine school. Area vet schools include Colorado State University, Kansas State University, Iowa State University, Oklahoma State University, and the University of Missouri.

Skills Learned
- Anatomy and physiology
- Evolutionary processes
- Biological systems and structures
- Research, data collection, and analysis
- Modern lab techniques
- Observation
- Communication
- Critical thinking and problem-solving

Possible Careers
- Veterinarian
- Research scientist
- Animal service worker
- Animal product developer
- Zoonotic disease specialist
- Biomedical researcher

Types of Employers
- Veterinary clinics
- Animal shelters
- Animal hospitals
- Zoos, farms, and ranches
- Private practices
- Government / federal agencies
- Research facilities
- Public health organizations
- Veterinary medicine companies
- Animal medicine labs
- Animal food companies

Activities / Opportunities
- Conduct research projects
- Conferences and presentations
- Peer mentoring and tutoring
- Service-Learning
- Study Abroad

Clubs / Organizations
- Biology Club
- Health Science Club (Lambda Delta Lambda)
- Ironic Bonders (Chemistry) Club

**FAST FACTS**

**Degrees offered:** This program is set up so you can receive a B.S. from Wayne State. Then you'll be ready to move on to graduate work at a professional veterinary medicine school.

**GPA required** (to enter veterinary school): C or better

**School:** Natural and Social Sciences

**Department:** Life Sciences

**Recommended electives:** Comparative Anatomy, Embryology, Parasitology

**Suggested programs of study:** Biology, Chemical Sciences

**Popular minors:** Chemistry, Spanish

Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.
# SAMPLE PROGRAM OF STUDY

*Every effort is made to ensure this information is current, but please be aware that some content may have changed. There is no substitute for developing a careful course registration plan in consultation with your advisor. For questions about this content, please see your advisor.*

Students work toward a major in biology. Additional coursework includes prerequisites for veterinary medical school. Iowa State University and Kansas State University of Veterinary Medicine require students to take the Graduate Records Exam (GRE).

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## SAMPLE PROGRAM OF STUDY

### FRESHMAN - 1st semester
- BIO 110 Biology Concepts (General Studies CAT 7) ........................................ 4
- CHE 106 General Chemistry I ................................................................. 4
- ENG 102 Composition Skills (General Studies CAT 1) ............................. 3
- *SPA 110 Elementary Spanish I (General Studies CAT 2) ......................... 3

### FRESHMAN - 2nd semester
- ART 102 The Visual Arts Experience (General Studies CAT 4) ............... 3
- BIO 200 Zoology ...................................................................................... 4
- CHE 107 General Chemistry II ............................................................. 4
- ENG 200 Expository Writing ................................................................. 3
- Elective ................................................................................................. 3

### SOPHOMORE - 3rd semester
- BIO 320 Molecular Genetics .................................................................... 4
- CHE 314 Organic Chemistry I ............................................................... 4
- FCS 207 Nutrition (General Studies CAT 9) ........................................... 3
- GEO 130 Physical Geography (General Studies CAT 8) ......................... 3
- SPA 210 Intermediate Spanish (General Studies CAT 10) ....................... 3

### SOPHOMORE - 4th semester
- BIO 210 Experimental Plant Science ..................................................... 4
- CHE 315 Organic Chemistry II ............................................................. 4
- ENG 150 Topics in Literature (General Studies CAT 6) ......................... 3
- MAT 180 Applied Probability and Statistics (General Studies CAT 3) .... 3
- PSY 101 General Psychology (General Studies CAT 5) ......................... 3

*Students may take any foreign language (check with the school of intended enrollment).*

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## FRESHMAN - 1st semester
- BIO 110 Biology Concepts (General Studies CAT 7) ........................................ 4
- CHE 106 General Chemistry I ................................................................. 4
- ENG 102 Composition Skills (General Studies CAT 1) ............................. 3
- *SPA 110 Elementary Spanish I (General Studies CAT 2) ......................... 3

## FRESHMAN - 2nd semester
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- CHE 107 General Chemistry II ............................................................. 4
- ENG 200 Expository Writing ................................................................. 3
- Elective ................................................................................................. 3

## SOPHOMORE - 3rd semester
- BIO 320 Molecular Genetics .................................................................... 4
- CHE 314 Organic Chemistry I ............................................................... 4
- FCS 207 Nutrition (General Studies CAT 9) ........................................... 3
- GEO 130 Physical Geography (General Studies CAT 8) ......................... 3
- SPA 210 Intermediate Spanish (General Studies CAT 10) ....................... 3

## SOPHOMORE - 4th semester
- BIO 210 Experimental Plant Science ..................................................... 4
- CHE 315 Organic Chemistry II ............................................................. 4
- ENG 150 Topics in Literature (General Studies CAT 6) ......................... 3
- MAT 180 Applied Probability and Statistics (General Studies CAT 3) .... 3
- PSY 101 General Psychology (General Studies CAT 5) ......................... 3

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## JUNIOR - 5th semester
- BIO 220 Human Anatomy .................................................................... 4
- BIO 434 Advanced Cell Biology .......................................................... 3
- PHY 201 General Physics I ..................................................................... 3
- PHY 321 General Physics I Lab ............................................................. 1
- Elective ................................................................................................. 3

## JUNIOR - 6th semester
- BIO 340 Human Physiology ................................................................ 4
- PHY 202 General Physics II .................................................................. 3
- PHY 322 General Physics II Lab ............................................................. 1
- BIO 370 Intro to Research ................................................................... 2
- Electives ............................................................................................... 6

## SENIOR - 7th semester
- BIO 301 Biology Seminar ................................................................. 1
- BIO 397 Internship or BIO 465 Continued Research ......................... 1
- CHE 326 Biochemistry ........................................................................ 4
- Electives ............................................................................................... 6

## SENIOR - 8th semester
- BIO 330 Histology ................................................................................ 4
- BIO 385 Microbiology ......................................................................... 4
- BIO 425 Evolution ................................................................................. 3
- BIO 469 Senior Seminar or BIO 470 Research Project ....................... 1
- BIO elective ........................................................................................ 4

Highly recommended electives:
- BIO 410 Vertebrate Embryology ............................................................ 4
- BIO 430 Parasitology ........................................................................... 4
- BIO 440 Comparative Anatomy ........................................................... 4

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### Pre-Veterinary Medicine Faculty

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