

PRE-VETERINARY MEDICINE

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 a 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.

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: C or better to enter veterinary school

Department: Life Sciences

School: Science, Health, and Criminal Justice

Recommended electives: Comparative Anatomy, Embryology, Parasitology

Suggested programs of study: Biology, Chemical Sciences

Popular minors: Chemistry, Spanish

focus on results

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

outside the classroom



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.

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

Sample program of study

2020-21 Academic Year

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. The class sequence listed is suggested only. The final decision rests with the student and academic advisor.

Students work toward a major in biology. Additional coursework includes prerequisites for veterinary medical school.

Freshman - 1st semester

BIO 110 Biology Concepts (General Studies CAT 7).....	4
CHE 106 General Chemistry I.....	4
*CNA 100 Principles of Human Communication (General Studies CAT 2).....	3
ENG 102 Composition Skills (General Studies CAT 1).....	3

Freshman - 2nd semester

ART 102 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 104 Environmental Concerns (General Studies CAT 10).....	3
BIO 320 Molecular Genetics.....	4
CHE 314 Organic Chemistry I.....	4
GEO 130 Physical Geography (General Studies CAT 8).....	3
PGH 200 Intro to Personal, Public, and Global Health (General Studies CAT 9).....	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

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
BIO 486 Immunology.....	3

*Required for most vet schools (check with the school of intended enrollment).

**Any course in General Studies CAT 10 meets WSC requirements

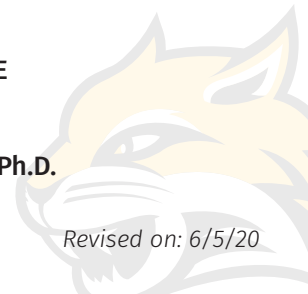
pre-veterinary medicine faculty



Visit www.wsc.edu/life-sciences
to learn more about the
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