

# College of Veterinary Medicine

---

**Dean: Dr. Nicholas Frank**

**Associate Dean for Research and Graduate Studies: Dr. David Smith**

**Associate Dean for Administration: Dr. Alicia Olivier**

**Associate Dean for Academic Affairs: Dr. Jack Smith**

**Veterinary & Biomedical Sciences Graduate Coordinator: Dr. Larry Hanson**

**Environmental Toxicology Graduate Coordinator: Dr. Russell Carr**

Wise Center

Box 6100

Mississippi State, MS 39762-6100

Telephone: 662-325-1417

E-mail: [tia.perkins@msstate.edu](mailto:tia.perkins@msstate.edu)

Website: <https://vetmed.msstate.edu> (<https://www.vetmed.msstate.edu/>)

The College of Veterinary Medicine (CVM) at Mississippi State University provides the following graduate programs:

## **Master of Science in Veterinary and Biomedical Sciences (VBMS) with the following concentrations:**

- Population Medicine Non-Thesis (PMNT)
- Veterinary Medical Research (VMRC)
- Computational Biology (VCBC)
- Infectious Diseases (VIDC)
- Toxicology (TOXI)
- Population Medicine (POPM)

## **Doctor of Philosophy in Veterinary and Biomedical Sciences (VBMS) with the following concentrations:**

- Veterinary Medical Research (VMRC)
- Computational Biology (VCBC)
- Infectious Diseases (VIDC)
- Population Medicine (POPM)

## **Doctor of Philosophy in Environmental Toxicology (ENVT)**

These graduate programs provide advanced educational opportunities for students in a broad range of biomedical and veterinary sciences. A non-thesis master's option in VBMS is also offered with emphasis in food animal production medicine (i.e. dairy, beef, swine, poultry, and aquaculture). The goal of the VBMS and ENVT programs is to provide training for the next generation of scientists and educators who will be leaders in biomedical and veterinary research and education. Faculty in CVM's **Department of Comparative Biomedical Sciences**, **Department of Clinical Sciences**, and **Department of Pathobiology & Population Medicine** lead each student's graduate education. Involvement in ongoing research projects conducted by the faculty is an important part of each degree program. Students in the VMS program specialize in disciplines such as applied clinical research, biocomputing, epidemiology, health disparities, infectious diseases, toxicology, and food safety.

## **Professional Certificate in Aquatic Animal Health**

The professional certificate in aquatic animal health is a 15-credit hour program designed to provide introductory training to professional DVM students and graduate veterinarians in diagnostic and clinical medicine of aquatic animal species. To complete the certificate, students must complete 9 credits of required coursework providing introductory and foundational knowledge on various aquatic animals including diagnostic and clinical externship training at a facility approved by the Aquatic Animal Health Professional

Certificate committee. The remaining 6 credits may be earned by completing additional coursework, externships, and clinical rotations selected by the student and approved by the Aquatic Animal Health Professional Certificate committee.

## Degree Programs

| Department                     | Degree and Major                                      | Concentration         | Thesis | Non-Thesis | Starkville | Meridian | Distance |
|--------------------------------|-------------------------------------------------------|-----------------------|--------|------------|------------|----------|----------|
| College of Veterinary Medicine | Master of Science - Veterinary and Biomedical Science | Computational Biology | X      |            | X          |          |          |

|                                |                                                          |                                |   |   |   |
|--------------------------------|----------------------------------------------------------|--------------------------------|---|---|---|
| College of Veterinary Medicine | Master of Science - Veterinary and Biomedical Science    | Infectious Diseases            | X |   | X |
| College of Veterinary Medicine | Master of Science - Veterinary and Biomedical Science    | Population Medicine Non-Thesis |   | X | X |
| College of Veterinary Medicine | Master of Science - Veterinary and Biomedical Science    | Population Medicine            | X |   | X |
| College of Veterinary Medicine | Master of Science - Veterinary and Biomedical Science    | Toxicology                     | X |   | X |
| College of Veterinary Medicine | Master of Science - Veterinary and Biomedical Science    | Veterinary Medical Research    | X |   | X |
| College of Veterinary Medicine | Doctor of Philosophy - Environmental Toxicology          |                                |   |   | X |
| College of Veterinary Medicine | Doctor of Philosophy - Veterinary and Biomedical Science | Computational Biology          |   |   | X |
| College of Veterinary Medicine | Doctor of Philosophy - Veterinary and Biomedical Science | Infectious Diseases            |   |   | X |
| College of Veterinary Medicine | Doctor of Philosophy - Veterinary and Biomedical Science | Population Medicine            |   |   | X |
| College of Veterinary Medicine | Doctor of Philosophy - Veterinary and Biomedical Science | Veterinary Medical Research    |   |   | X |

In addition to the traditional M.S. and Ph.D. programs in the college, students may pursue a D.V.M.-Ph.D. or D.V.M.-M.S. through the dual-degree program. Information concerning the D.V.M. dual-degree programs can be found at the **Combined D.V.M.-Graduate Degree Programs** site. The following admission guidelines/restrictions must be followed for admission to the dual degree program.

- Student with a B.S. degree are eligible for admission to the M.S. and Ph.D. programs in CVM.
- Current D.V.M. students without a B.S. degree must complete the first two years of the D.V.M. program before admission to a CVM M.S. or Ph.D. program.
- A signed Dual Degree Form must be submitted to CVM Office of Research and Graduate Studies by the student and then to The Graduate School at the time of admission to the graduate program.