

**Tuskegee University
College of Veterinary Medicine**

Doctoral Degree (PhD) in Interdisciplinary Pathobiology (IDPB)

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Degree Offered: **Doctoral Degree (PhD) in Interdisciplinary Pathobiology (IDPB)**

The Interdisciplinary Pathobiology graduate program at the College of Veterinary Medicine produces successful academicians and investigators in the areas of cancer cell biology, cancer, reproductive biology, risk analysis/epidemiology, food safety, nanobiotechnology, infectious diseases, toxicology, and control of food intake.

Admission Requirements:

- Applicants must have completed the M.S. degree or professional degrees (DVM, MD, DDS, MPH, etc.) from an accredited college or university
- Cumulative GPA of 3.0 or better
- Completed Online Application and Application Fee
- Official Transcripts from all colleges/universities (International Students must have transcripts through World Education Services – WES)
- GRE scores at least 540 (old) or 156 (new), less than five (5) years old
- Personal Statement
- Three (3) Recommendation Letters
- Resume or Curriculum
- ETS/WES Evaluation of Transcripts (International students only)
- TOEFL (International students only)
- Affidavit of Support and Bank Statement (International students only)

Graduation Requirements:

- Core Courses: 10-12 credit hours
- Elective Courses: 17-20 credit hours
- **Total Course Work: 30 credit hours**
- **Total Research/Thesis: 30 credit hours**
- Admission to Candidacy
- Passing of the Final Oral Examination

Advisory Committee:

During the second semester of his/her study in the IDPB, PhD program, the student and his/her Major Professor must form an Advisory Committee consisting of a minimum of four members including the Major Professor. The Advisory Committee shall also serve as the Examination Committee.

Admission to Candidacy:

Admission to Candidacy for students who are enrolled in the PhD in Interdisciplinary Pathobiology, include the following:

1. Completion of all course work required for the PhD program (more than 30 credits for the students starting with a MS degree, or 60 credits for those starting with a BS degree).
2. Passing a written qualifying examination.
3. Successful oral presentation of research proposed to the Advisory Committee. Students who fail the qualifying examination after two attempts may apply for a master's degree in any of the established programs at Tuskegee University. In such cases, the student will have to meet the oral examination requirements of the master's degree Graduate Program.

Seminars:

A student pursuing the PhD in Interdisciplinary Pathobiology must present at least two seminars. Seminar courses introduce practical examples of proper conduct of research, issues with copyright violation, plagiarism, interpretation of published work among other academic requirements including discussions on basic research methods, and a review of current research topics. Oral presentations are required.

Thesis:

The final draft of the thesis/dissertation must be filed with the student's Advisory Committee at least 30 days before the date listed in the university calendar for final copies to be submitted during the semester in which the student expects to graduate. The student must present to the Dean of Graduate Programs a "Preliminary Approval Sheet" (PAS) bearing the signature of the Major Professor before the final oral examination may be scheduled and before copies of the thesis/dissertation are distributed to members of the Examining Committee.

After the "Preliminary Approval Sheet" has been signed, it should be submitted to the Dean of Graduate Programs before the final examination is scheduled and before the final draft of the thesis/dissertation is prepared for final approval. Approval of the thesis/dissertation in its final form rests with the Examining Committee.

Curriculum for the IDPB, PhD Program**Required Courses**

Course	Semester	Course Number	Credit
Bio Statistics I	Fall	EVSC 0500	3
Bio Statistics II	Spring	EVSC 0501	3
Integrative Biochemistry I	Fall	IBSC 0603	4
Integrative Molecular Biology I	Fall	IBSC 0604	4
Graduate Seminar I	Fall	MBIO 0600	1
Graduate Seminar II	Spring	IDPB 0602	1
Ph.D. Research/Thesis	All Semesters	IDPB 0800	30
Candidate for Degree	All Semesters	IBSC 0754	R

PhD Graduate Students can choose *Electives* from
 Doctor of Veterinary Medicine (DVM) Professional Program Curriculum (only Years 1-2 courses)

PLEASE CONTACT COURSE COORDINATOR OR INSTRUCTOR FOR REQUIREMENTS TO TAKE AN ELECTIVE

Year 1: Veterinary Curriculum Fall Semester Courses

Semester 1	FALL	Credit Hours
VMED 800	The Veterinary Profession, Veterinary Law & Ethics, and Financial Literacy	2
VMED 802	Veterinary Microanatomy I	3
VMED 803	Veterinary Physiology I	4
VMED 804	Infection & Immunity I (Parasitology I)	2

Year 1: Veterinary Curriculum Spring Semester Courses

Semester 2	SPRING	Credit Hours
VMED 808	Veterinary Microanatomy II	3
VMED 809	Veterinary Physiology II	4
VMED 810	Infection & Immunity II (Parasitology II and Immunology)	4
VMED 811	Public Health and Evidence-Based Epidemiology	3
VMED 812	Clinical Skills and Concept Based Learning II	3

Year 2: Veterinary Curriculum Fall Semester Courses

Semester 3	FALL	Credit Hours
VMED 814	Veterinary Pathology I	4
VMED 815	Clinical Pathology	3
VMED 816	Introduction to Pharmacology	3
VMED 817	Clinical Toxicology	2
VMED 818	Veterinary Nutrition	1
VMED 819	Infection and Immunity III (Bacteriology, Mycology & Clinical Microbiology I)	4
VMED 820	Avian, Exotics & Lab Animal Diseases	2
VMED 821	Clinical Skills and Concept-Based Learning III	2

Year 2: Veterinary Curriculum Spring Semester Courses

Semester 4	SPRING	Credit Hours
VMED 824	Veterinary Pathology II	4
VMED 825	Infection and Immunity IV (Virology and Clinical Microbiology II)	4
VMED 826	Diagnostic Imaging	3
VMED 827	Principles of Anesthesia & Surgery	2
VMED 828	Clinical Pharmacology	2
VMED 829	Systems-Based Core Clinical Specialties	4
VMED 830	Diagnostic Skills and Introduction to Evidence-Based Learning	2