

**Tuskegee University**  
**College of Agriculture, Environment and Nutrition Sciences**  
**Department of Agricultural and Environmental Sciences Master of**  
**Science (M.S.) in Animal Sciences**

**Contact Information:**

Completed Application along with the required amount of application fees  
Three Letters of Recommendation  
Statement of Purpose  
GRE Scores  
Financial Affidavit (International Students –only)  
Test of English as Foreign Language (TOEFL) Scores (International students only).

### **Graduation Requirements:**

#### **A. The Master of Science, Non-Thesis Option**

The **non-thesis** M.S. is a professional degree in which a student must complete a minimum of 32 credit hours of graduate course work to receive the degree, and other requirements may be specified by the department. Thus, programs leading to this degree provide opportunities for students to increase their knowledge and competencies in the various agricultural disciplines. A student, according to his/her needs may **(a)** obtain a balanced and unified training encompassing a wide spectrum of subject matter area or **(b)** obtain intensive training in a specified area. The emphasis of the program is to enable students to develop skills as professional practitioners in the communication of technical knowledge and its application to the solution of current and future technical, economic, and social problems of individuals and groups. The expected duration of the Non-Thesis Option program is 12-18 months.

Core Courses: 14 Credits

Area of Concentration (APSC) Courses: 12 Credits

Elective Courses: 6 Credits (Any graduate level courses 500 or above outside APSC)

Admission to Candidacy

Passing of the Final Oral Examination

#### **Course and Credit Requirements for the Master of Science, Non-Thesis Option**

To earn a professional degree, a minimum of **32 graduate credits**

**Core Courses (14 credits):**

EVSC 0501	Biostats II (AGEC 0615 – Quantitative Methods or equivalent)	3 credits
AGEC 0505	Agribusiness Management	3 credits*
AGSC 0600	Non-Thesis/Thesis Graduate Project Seminar I	1 credit
AGSC 0604	Non-Thesis/Thesis Graduate Project Seminar II	1 credit
IBSC 0601	Research Ethics in Bioscience	3 credits*
AGSC 0699	Non-Thesis Graduate Project	3 credits

\*

15 credits, students are required to be admitted to Candidacy. In addition to the course work outlined above, students must present 1) an **acceptable thesis** on a selected research project and 2) pass a **Final Oral Examination** based on the document as determined by the Advisory Committee.

**Core Courses (11 credits):**

EVSC 0500	Biostats I*	3 credits
EVSC 0501	Biostats II (AGEC 0615 – Quantitative Methods or equivalent)	3 credits
AGSC 0600	Non-Thesis/Thesis Graduate Project Seminar I	1 credit
AGSC 0604	Non-Thesis/Thesis Graduate Project Seminar II	1 credit
APSC 0700	Research in Animal Sciences	6 credits

\*Courses in discipline approved by Advisory Committee may be substituted for these courses.

**Advisory Committee**

A Major Advisor will be assigned to the student by the department head if the student has not already identified one. The Department of Agricultural and Environmental Sciences and the Dean of Graduate Programs encourage the formation of an Advisory Committee during the first semester of your graduate studies. In consultation with the Major Advisor, the Advisory Committee should be selected and is comprised of three members (including the Major Advisor). At least two must be in the area of the student’s research interest. Together with the Major Advisor, the student will identify a research problem (subject matter to study) and prepare a research proposal for subsequent approval by the committee. It is the student’s responsibility to contact each prospective committee member to see if he/she will serve on the Advisory Committee. It is recommended that the student obtain the written approval of each committee member. After the approvals are received, the Department head, College and Graduate School deans are to be notified of the committee members. The Major Advisor serves as chairperson of this committee and will convene meetings at his/her discretion.

**Other:**

**Professional Development Document/Thesis**

The final draft of the non-thesis document or the thesis must be filed with the student's Advisory/Examining 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 are distributed to members of the Advisory/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 Professional Development Document/Thesis in its final form rests with the Advisory/Examining Committee.

### **Transfer Credits**

A **maximum of nine (9) semester hours** may be transferred from graduate courses taken at other university provided the student has grades of **“B”** or better in these courses. For students who are pursuing a second Master's degree at Tuskegee University nine hours of credit are transferable from courses taken to fulfill the requirements of the first degree. **Correspondence course credits are not acceptable.** Transfer credits may be recommended under both core and elective categories.

### **Admission to Candidacy**

Immediately after completing 15 credits of course work at Tuskegee University, the student must submit to the Dean of Graduate Studies, a completed application for the Candidacy for the degree.

### **Seminars**

A student pursuing the Master of Science degree in Animal Sciences must present at least two seminars. The first seminar (AGSC 0600) shall be the presentation of the student's research proposal of the Master's thesis. The second (AGSC 0604) shall be his/her final seminar. The student is also required to participate in all seminars arranged by the department regardless of if he or she is enrolled in the course or not.

### **Research and Teaching Assistantships**

Funding through research and teaching assistantships is available for accepted graduate students on a competitive basis. While thesis option students may qualify for support for tuition and stipend; non-thesis option students may only qualify for a work study (15 hr/wk). Research and teaching assistants are expected to provide service to the Department through conducting or assisting with research, teaching and other projects related to the college. Continuation of the financial support depends on student's performance in course work, satisfactory progression on research/professional development project and availability of funds.

## **List of Courses**

### **(Master of Sciences Non-Thesis and Thesis Options)**

AGEC 0505. AGRIBUSINESS MANAGEMENT: 2<sup>nd</sup> Semester. Lect. 3. Economic principles applied to organization and operations of farms; introduction to farm financial management techniques.. 3 credits.

AGEC 0615. QUANTITATIVE METHODS. 1<sup>ST</sup> Semester. Lect. 3. Statistical methods and their applications: probability density and distribution functions as background studying principles of economic models analyses; prediction problems, programming, scheduling and network; special topics of current interest 3 credits. Prerequisites: AGECE 553; ECON 352, 353.

AGSC 0600. NON-THESIS GRADUATE PROJECT PROPOSAL SEMINAR I. 1<sup>st</sup> and 2<sup>nd</sup> Semesters. Lect. 1, 1 credit. Lectures from visiting scientists, and other organizations on topics

related to environmental science. Presentation of proposals for thesis/non-thesis projects and technical reports by students on research in environmental science and related areas. This is a unique type of seminar in which knowledge from different areas will be integrated and students will write technical reports from the notes of th



1-3 credits. Special studies for graduate students in Animal and Poultry Sciences. A presentation of topics not in regularly offered course



### Key Graduate Faculty

Name	Specialty Area	Phone	E-mail Address
B. Ryel Min	Rumen Microbiology, Forage Agronomy, Parasite Management	334-727-8654	<a href="mailto:minb@mytu.tuskegee.edu">minb@mytu.tuskegee.edu</a>
Jannette Bartlett	Poultry Production, Poultry Nutrition, Meat Quality	334-727-8266	<a href="mailto:jbartlett@mytu.tuskegee.edu">jbartlett@mytu.tuskegee.edu</a>
Olga Bolden-Tiller	Reproductive Biology	334-727-8403	<a href="mailto:obtiller@mytu.tuskegee.edu">obtiller@mytu.tuskegee.edu</a>
Nar Gurung	Silvopasture, Agroforestry, Nutrient Management, Meat Quality	334-727-8457	<a href="mailto:ngurung@mytu.tuskegee.edu">ngurung@mytu.tuskegee.edu</a>
Uma Karki	Pasture Agronomy, Parasite Management	334-727-8336	<a href="mailto:karkiu@mytu.tuskegee.edu">karkiu@mytu.tuskegee.edu</a>
Wendell McElhenney	Breeding and Genetics, Biostatistics	334-727-8022	<a href="mailto:mcelhenneyw@mytu.tuskegee.edu">mcelhenneyw@mytu.tuskegee.edu</a>
Chukwuemeka Okere	Physiology, Breeding and Genetics	334-727-8904	<a href="mailto:cokere@mytu.tuskegee.edu">cokere@mytu.tuskegee.edu</a>

*Additional details that are not shown in this handout may be found in the Bulletin of the Department of Agricultural and Environmental Sciences, the DAES website, the DAES Graduate Student Handbook as well as TU's Graduate Handbook and website.*