Tuskegee University

- x Three Letters of Recommendation
- x Statement of Purpose
- x GRE Scores
- x Financial Affidavit (International Students –only)
- x Test of English as Foreign Language (TRDEScores (International students only).

Graduation Requirements:

A. The Master of Science, Non-Thesis Op**Onlin(e Only)**

The non-thesism.S. is a professional degree in white student must complete a minimum of 32 credit hours of graduate course work to receive degree, and other requirements may be specified by the department. Thus, program adding to this degree provide opportunities for students to increase their knowledged competencies in the vaus agricultural disciplines. A student, according to his/her needs real pobtain a balanced and undid training encompassing a wide spectrum of subject matter area (po) robtain intensive training in a specified area. The emphasis of the program is to enable student the toleron skills as professional practitioners in the communication of technical howledge and its application to the solution of current and future technical, economic, and social professe of individuals and groups. The expected duration of the Non-Thesis Open program is 12-18 months.

- x Core Courses: 14-15 Credits
- x Area of Concentration (PSS) Courses: 12 Credits
- x Elective Courses: 6 Credits (Any gradulateel courses 500 or above outside EYSC
- x Admission to Candidacy
- x Passing of the Final Oral Examination

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

To earn a professional degree, a minimum of graduate creditive required comprising credit hours for core courses 12 credit hours of the area of concentration (Environmental Sciences; EVSC) and credit hours of electives in a discipline other than the students concentration The final project/papewill account for 6 credit hours of the core requirements As all M.S. degree candidates must take ast two graduate courses in biometry (EVSC 500 and 501) before graduation, if undergradua

Core Course	es (15 credits)	
EVSC 0501	Biostatistics II	3 credits
EVSC 0504	Environmental Sciee II	3 credits
EVSC 0507	Introduction to Geographinformation Systems	3 credits
EVSC 0545	Remote Sensing; Prineipland Applications	3 credits
EVSC XXX1	Environmental Management/Policy	3 credits
EVSC 0560	Hydrology and Water Resces Management	3 credits
EVSC 0570	Agrometeorology	3 credits
EVSC XXX2	Online Seminar	3 credits
	<u>l Development Project (6 cr</u> edits)	
AGSC 0699	Non-thesis GradeaProject	6 credits
FI 11 0	(0)	
	urses (9 credits)	
EVSC 0500	Biostatistics I	3 credits
PLSS 0510	Soil Physics	3 credits
EVSC 0517	GIS Applications	3 credits
PLSS 0521	Soil and Water Censation	3 credits
EVSC 0522	Introduction to Toxicology	3 credits
EVSC 0580	Environmental Lelgaase Study	3 credits
EVSC 0555	Soil Chemistry	3 credits
EVSC 0590	Soil/Environmental Microbiology	3 credits
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Advisory Committee

3 credits

3 credits

A three-member Advisory Committee will be prointed to guide and monitor the student's professional development. The chairman of appointed committee shall serve as the student's advisor.

Other:

EVSC xxx3

EVSC 610

Professional Development Document/Thesis

Environmental Auditing

Climate Change and Climate Modeling

The final draft of the non-thesits ocument or the thesis mutat filed with the student's Advisory/Examining Committee at at 30 days before the datated 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 Grad Pategrams a "Preliminary Approval Sheet" (PAS) bearing the signature of the Major Professor treefbe final oral examination may be scheduled and before copies of the thesis are district to members of the Advisory/Examining Committee. After the "Preliminary Approval Set" has been signed, it should be submitted to the Dean of Graduate Programs before the Enalmination is scheduled and before the final draft of the thesis/dissertation is preparted final approval. Approval of the Professional Development Document/Thesis in its final forests with the Advisory/Examining Committee.

Transfer Credits

A maximum of nine (9) semester honarys be transferred from graduate courses taken at other university provided the student has gradesBof or better in these courses. For students who are pursuing a second Masterlesgree at Tuskegee Universinine hours of credit are transferable from courses taken to fulfill thequirements of the first objece. Transfer credits may be recommended under bothecand elective categories.

Admission to Candidacy

Immediately after completing 15 credits of coursers 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 Mæstof Science degree in EnvironntælnSciences must present at least two seminars. The first seminar (AGSC 0600equivalent) shall be the presentation of the student's research proposaltbe Master's thesis. The second (AGSC 0604 or equivalent) shall be his/her final seminar. The student is also irequto participate in all seminars arranged by the department regardless of if hesbe is enrolled in the course or not.

List of Courses

(Master of Science Non-Thesis Options)

AGSC 0699. NON-THESIS GRADUATE PROJECTst and 2^d Semesters, Summer, 3 credits. Research, preparation and protitions of final project paper undethe directions of a major advisor. Students in this program will be required to select research problems on a specific topic concentrating on the investigation of problems agricultural, Environmental and related sciences.

EVSC 0500. BIO-STATISTICS I. stISemester. Lect. 2, Lab 3,cBedits. Staistical methods in scientific research. An introductry course in statistics deady with the application of various methods of analyzing researchata to include sampling, randization, the normal distribution, "t" test, linear regression, contation, Chi-Square, and analysis variance of random design.

will be discussed. Pesticides, radiation hazardsustrial chemical and potential biological hazards will be considered. Prerequisites EM 0320 or Permission of Instructor.

EVSC 0507. INTRODUCTION TO GEOGRAHIC INFORMATION SYSTEMS. 1 Semester. Lect. 2, Lab 1, 3 credit ntroductions to GIS concept asic theoretical concepts, computer catography, database systems, getting maps into digital form and geocoding. Familiarity with Arc-GIS software.

EVSC/PLSS 0510. SOIL PHYSICS.demester (Even years). Let 3 credits. Theory and practice of quantifying soil particle pore distribution, soil structure, soil water content, soil water potential, saturated and unsaturated, infiltration, drainage, energy balance, evapotranspiration and irrigation.

EVSC 0517. GIS APPLICATOINS.

EVSC 0521.EVSC 0517. SPECIAL STUDIES IN GIS. 2nd Semester. Lect. 2, Lab 1, 3

EVSC 0695. SPECIAL TOPICS INNVIRONMENTAL SCIENCES. \$\frac{1}{2}\$ and \$2\$ semesters. Lect. 3, 3 credits. Topics in the advantage may be selected from the following: biochemistry, environmental sciences, chemistry, go, soil sciences and terinary sciences.

EVSC XXX1. ENVIRONMENTAL MANAGEMENT/POLICY.

EVSC XXX2. ONLINE SEMINAR.

EVSC XXX3. ENVIRONMENTAL AUDITING.

EVSC 0752. CONTINUOUS REGISTRATION. 1stnd 2nd Semesters, Summer. 0 credits. Restricted to graduate students who haventallecourses including ESC 0700 and need to use the service and resources of the Universitycomplete their theses or reading for graduate examination. Students may have a maximum of registrations only; afteward registration as a regular graduate student will be required until degree requirements have been completed. Prerequisite: Permission of major advisor.

EVSC 0754. CANDIDATE FOR DEGREE ONLY. 1 and 2nd Semester, Summer. 0 credits. Restricted to graduate students who haven potented all requirements for graduate degree including final oral or comprehensive examtiona, submission of thesis and approval of the thesis by the Office of the Graduate Programmatical will be permitted to register in the category one time only.

**Note: At the time of program developed hereafter ance of the requirements courses; however, any EVSC/PLSS courses looped hereafter ance of the requirements indicated may be used to illfut the concentration requirement of the courses may include those in an invalid to course of the graduate level (500 or above) as specified above. For student bed nino the online program, availability of courses may be available on a limited battistents will need to confer with ordeignee the program coordinator.

Key Graduate Faculty

ney Gradate raearty						
Name	Specialty Area	Phone	E-mail Address			
Kokoasse A-	Soil Chemistry and Waste					
Kpomblekou	Management	334-724-452	2 akpomblekou@mytu.tuskegee.e			
Deloris Alexander	Prebiotics, Probiotics	334-724-46	67 dalexander@mytu.tuskegee.e			
	Soil Sciences, Environmental					
Ramble Ankumah	Sciences		<u>rankum@mytu.tuskegee</u> .edu			
Conrad Bonsi	Plant Breeding	334-727-83	33 cbonsi@mytu.tuskegee.edu			
	Plant Biotechnology/Molecular	334-724-4404				
Marceline Egnin	Biology and Plant Breeding	or 727-8084	Megnin@mytu.tuskegee.edu			
Gamal El Afandi	Climate Change	334-724-47	9 <u>0 geafandi@mytu.tuskeg</u> ee.edu			

Souleymane Fall	Climate Change, GIS	334-421-7567 sfall@mytu.tuskegee.edu	
	Plant Genomics, Genetic Mappin	g,	
	QTL Mapping, Molecular		
Guohao He	Breeding	334-727-8459 <u>Hguohao@mytu.tuskege</u> e.ed	u
	Plant Biotechnology/Molecular		_
Jacquelyn Jackson	Biology	334-724-4953 jjackson@mytu.tuskgee.edu	