



Letter of Notification (LON)

Policy A1.0 New Academic Programs: Approval Process

Institution:	Tennessee State University
Proposed Academic Program:	Nutrition and Wellness, Master of Science (MS)
Proposed Implementation Date:	August 2024
CIP Code and Title:	19.0501
CIP Code Definition:	Foods, Nutrition, and Wellness Studies, General
A general program that focuses on the role of foods and nutrition in human health and wellness. Includes instruction in nutritional care and education, the planning and provision of food services, the development of consumable food products, life-span nutrition and wellness, the principles of nutritional assessment, and food safety and food composition.	
LON Submission Date:	December 2, 2023
Posted Date on THEC Website:	December 6, 2023
Public Comment Period:	December 6, 2023 – December 21, 2023

Letter of Notification Checklist

THEC Academic Policy 1.0 (Section 1.0.6A) Letter of Notification Requirements:

- ✓ Letter of Support from the President/Chancellor signifying institutional governing board or system office support for development;
- ✓ Program overview;
- ✓ Background information;
- ✓ Feasibility Study;
- ✓ Enrollment and graduation projections;
- ✓ Projected costs to deliver the proposed program;
- ✓ Projected revenues for the proposed program;
- ✓ Letters of support.



TENNESSEE STATE UNIVERSITY
DEPARTMENT OF HUMAN SCIENCES

PROPOSAL TO ESTABLISH
MASTER OF SCIENCE (M.S.) DEGREE PROGRAM
IN
NUTRITION AND WELLNESS
AT TENNESSEE STATE UNIVERSITY

SUBMITTED TO
THE TENNESSEE HIGHER EDUCATION COMMISSION

August 2023

"Think. Work. Serve."

Letter of Notification

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Section I: Overview Program Information

Institutional Name: Tennessee State University

Proposed Academic Program: Master of Science in Nutrition and Wellness
with concentrations in:
1) Community Nutrition, 2) Human Nutrition, and
3) Dietetics

Degree Designation: Master of Science

Concentrations:

- Community Nutrition (Online, Hybrid, or Traditional)
- Dietetics (Traditional)
- Human Nutrition (Online, Hybrid, or Traditional)

Graduate Certificates:

- Nutrition Intervention, Policy, Systems, and Environments
- Food Justice & Nutrition Security
- Food Safety & Emergency Preparedness

Proposed CIP Codes and Titles: 19.05 (Foods, Nutrition, & Related Services), and
51.3101 (Dietetics and Clinical Nutrition)

Academic Program Liaison (APL) Name and Contact Information:

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Proposed Implementation Date: August 2024

Section II: Background

Background Concerning Academic Program Development

We developed our graduate concentrations using the competency-based standards of the ACEND Future Education Model Accreditation Standards for Graduate Degree Program ^[1] and by immersive education and training strategies that include competency-based professional development ^[2]. With the help of the Human Sciences Department's advisory board members, we determined course objectives and student learning

outcomes and created assignments to assess the student learning outcomes. For consistency, the benchmark for courses is at 75% and written as “100% of students [know, show, or do] with at least 75% accuracy on [assignment/activity].” While this is the benchmark, students must maintain a B average in the program and must not earn over two low passing grades (C or D) for a class. Rubrics for assignments are objective and created to determine standards of achievement. While this was a time-consuming process, it allowed faculty to determine how to assess accurately the performance of students and evaluate program outcomes with detail that guide program improvement plans. This increases the likelihood of having a successful graduate program that prepares food and nutrition professionals. By developing the curriculum in this methodical manner, faculty determined how the courses address core concepts and strategies for assessing student competency across domains. For the sake of making competency tracking easier on faculty, we use an Annual Planning and Assessment of Student Learning Outcomes Template to report student learning outcomes to Southern Association of Colleges and Schools. It also allows us to determine the extent to which the competency-based curriculum is “hands-on” and how we assess and track increases in students’ competency levels.

Purpose and Nature of the Program

The mission of the Human Sciences Department at Tennessee State University is to prepare students for leadership roles in the field of Family and Consumer Sciences that empower individuals, strengthen families and enable communities through education, outreach (extension), and discovery (research). The Master of Science (MS) degree in the field of nutrition allows students to attain a research-based and experiential practice in helping people develop the knowledge and skills to live and work well in our complex world. The Human Sciences Department in the College of Agriculture at Tennessee State University (TSU) herewith submit to the Tennessee Higher Education Commission a Letter of Notification (LON) to establish the following graduate programs and certificates:

- I. **Master of Science (M.S.) Degree in Nutrition and Wellness**
 - a. Community Nutrition (Online or In-person)

- b. Human Nutrition (Online or In-person)
- c. Dietetics (In-person)
 - i. ACEND accredited program leading to RD credential
 - ii. Accelerated BS-MS track

II. Graduate Certificates:

- a. Nutrition Intervention, Policy, Systems, and Environments
- b. Food Justice & Nutrition Security
- c. Food Safety & Emergency Preparedness

The motivation for this effort includes (1) the lack of diversity in Human Sciences and Foods and Nutrition, (2) the need for workforce-ready professionals in food and nutrition, and (3) the increased interest in advanced credentialing by current and former students in the Department of Human Sciences. We request to establish the degree program with certificates as the program's content and delivery meet the workforce's current and future needs. Our request for approval is based on the following reasons:

1. The graduate programs support the needs of the workforce by providing opportunities for education and job skill readiness to students by providing a pool of qualified applicants to fill vacancies within Federal and non-Federal agencies throughout the nation in the following priority areas: a) Human health, obesity-related to nutrition, and human sciences; b) Food safety and security; c) Agriculture, Food, and Natural Resources; and d) Human Services occupations.
2. Graduating students consistently request letters of support and recommendations for their applications to other graduate programs.
3. The nation's current state - dealing with the diabetes and obesity epidemics, food safety and nutrition security issues, and changing food environments - clearly shows the increased need for culturally diverse professionals and graduates with a solid background in nutrition.
4. The graduate program offers distance (online instruction) and in-person options making them appealing to traditional and nontraditional students, aligning with THEC's Adult Learner Initiatives by providing flexibility of an online learning community.
5. Options for students to matriculate completely online allow us to broaden the potential impact of preparing more workforce-ready professionals in the field of

Human Sciences and satisfies an essential function of land-grant institutions, and is consistent with the University's mission of fostering scholarly inquiry, research, lifelong learning, and a commitment to service within the community.

6. The framework for our professional degree program aligns with the State's Complete College Tennessee Act (CCTA), State Master Plan for Higher Education. It corresponds with anticipated workforce needs as outlined in the Public Agenda for Tennessee Higher Education.
7. Specifically, this proposal responds to the need to supply the demand for human sciences, nutrition, and dietetics graduates and increase the current workforce's skills.
8. The graduate program includes experiential learning in (1) policy, systems, and environmental change methods; (2) community- and asset-based participatory research methods, (3) cultural competency training; and (4) community engagement and social capital building.
9. The accelerated track option saves money for students by allowing them to complete a B.S. and M.S. degree within five years and, thus, is very desirable.

I. Master of Science (M.S.) in Nutrition and Wellness Degree

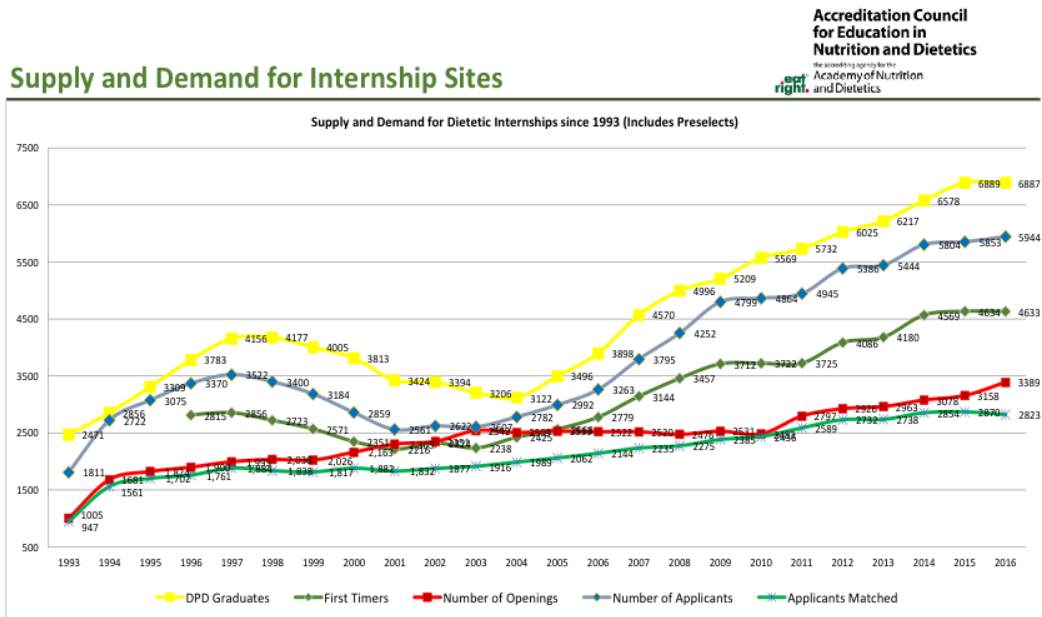
There is a dire need for African Americans and other persons from historically disadvantaged and underrepresented populations to become leaders in human nutrition and wellness. Historically Black Colleges and Universities (HBCUs) provide a supportive and inclusive environment where African American and other minority students thrive academically and professionally. Tennessee State University (TSU), an HBCU, promotes lifelong learning, scholarly inquiry, and service to others. The Human Sciences Department currently houses the Food and Nutritional Sciences Concentration and the ACEND-accredited undergraduate Didactic Program in Dietetics. The objectives of Human Sciences (Family and Consumer Sciences) are to (a) empower individuals, (b) strengthen families, and (c) build communities. Having a human nutrition graduate program in the department aids in creating diversity in human nutrition and wellness.

Eliminating health disparities remains one of the biggest challenges facing the United States government. If you look at any of the top health indicators like obesity or unemployment rates, undoubtedly, year after year, historically disadvantaged populations and communities are unequally burdened. Land-grant universities and Cooperative Extension have an inherent mission to improve the health of our citizens. Diversity is essential to increase access to healthcare, cultural competence, and patient satisfaction and adherence in vulnerable populations. Our graduate program will focus on intervention, policy and practice to address the lack of well-trained and workforce ready applicants capable of serving in Family and Consumer Sciences (FCS) Cooperative Extension and similar teaching and leadership positions.

In the early 2000's, literature started to appear in interdisciplinary journals and the mainstream media outlets calling for a resurgence in Family and Consumer Sciences (also known as Human Sciences) education focusing on life skills - particularly around basic cooking and food resource management skills ^[3]. The call for such skills were made in response to the surging rates of obesity, hunger, food waste, and food cost ^[4-7]. The call also sounded the alarm regarding the access dichotomy between rural and urban populations further highlighting the gap between class and geography^[8]. From pediatricians to public health workers, the need for food resource management is clearly seen as a needed skill almost nearly forgotten in our technologically advanced world ^[9]. The COVID-19 pandemic and the mandate for social distancing and social isolation profoundly affected families' and communities' management of food and financial resources. These social conditions increasingly point to the need for competent practitioners in food and nutrition to teach sustainable health practices that improve the quality of life for families and consumers.

A review of the Accreditation Council for Education in Nutrition and Dietetics (ACEND) data indicates that the supply of accredited programs leading to an internship and MS degree to obtain the RDN credential are not keeping up with the demand. These results indicate that students currently enrolled in undergraduate Didactic Programs in Dietetics (DPDs) and considering becoming a Registered Dietitian Nutritionist (RDN) cannot get

the education and experience required for credentialing. Since 2003, the demand for RDNs has risen faster than the number of available internship positions in accredited programs. As such, the Dietetics concentration will be in high demand based on the large number of applicants and the low number of internships available to accommodate the graduates of ACEND-accredited Didactic Programs in Dietetics (DPDs), such as our graduates. This means that our qualified dietetics students will serve as feeders into the graduate program.



Tennessee State University applied to the Accreditation Council for Education in Nutrition and Dietetics (ACEND) to open an accredited graduate level dietetics program to prepare Registered Dietitian Nutritionists. Our eligibility application was accepted by ACEND and we are in the candidacy process for our proposed Future Education Model Graduate Program (GP) program. The program must be approved by the TSU Board of Trustees (BOT) and the Tennessee Higher Education Commission (THEC) before accreditation status can be conveyed. (See the letter from the ACEND Board of Directors in Appendix A.) If approved, graduates will leave TSU eligible to sit for the examination of dietetics registration, fill positions as managers and program developers in jobs that provide primary and secondary preventative care, conduct epidemiological research, and

implement health promotion programs and disease prevention in local, state, federal and international agencies.

As teaching faculty, extension practitioners, and researchers in the Human Sciences Department at Tennessee State University, we recognize the need to develop a premier graduate program that prepares students to use research-based information and technology to engage local communities to solve local problems. Applied and engaged learning will be undertaken within the program through a focused emphasis on the use of policy, systems, and environment change models.

To tackle these issues expeditiously, we developed a plan and curriculum for a graduate program in Nutrition and Wellness that offers thesis and non-thesis options, online and accelerated options for motivated students to earn a BS and MS degree within 5 years. Students can start the online program any semester. Online synchronous and asynchronous classes allow students to attend live classes or watch the recorded sessions at their convenience. These delivery options will work with the lifestyle of those in the workforce and those in different time zones worldwide.

A. Community Nutrition (Online or In-person)

Community nutrition professionals provide nutrition services through preventative measures using intervention, promotion and prevention strategies. Community nutrition professionals are needed to work with individuals, families and small targeted groups to strengthen their skills, knowledge and attitudes related to selecting, purchasing, preparing and consuming healthful foods. Community nutritionists are adept in designing individual and interpersonal interventions to facilitate behavior change and health outcomes in communities. Nutrition specialist working in communities strive to reduce food insecurity, obesity, and other health issues related to diet quality and nutrition practices. Students in this concentration take classes in nutritional biochemistry, physiology, epidemiology, intervention and policy, public health nutrition, and nutritional education and program evaluation. This option provides students the education and training to become qualified professionals delivering nutrition programs in community settings.

B. Human Nutrition (Online or In-person)

This option provides students with the education and training to become qualified professionals in nutrition, health, and wellness from the convenience of online learning. This program meets the need for specialized training for Tennessee, and the nation as obesity and chronic disease related to food and nutrition persist. The proposed program emphasizes how the nutritional professional can influence policies, systems, and environments to improve the lives of individuals, families, and communities. Our program provides students the skills to work with a myriad and diverse collection of communities not limited to or bound by language, religion, culture, interest, health, gender, race, and social class to work in the public and private sectors. The online graduate program in Foods and Nutrition provides advanced knowledge and skills in nutritional science research and practice focusing on lessening health disparities affecting underserved and historically disadvantaged communities.

C. Dietetics (In-Person)

The proposed Dietetics concentration is for students desiring credentialing as a registered dietitian nutritionist (RDN). The accrediting agency for the Academy of Nutrition and Dietetics (ACEND) conducted a site visit and program review of the proposed dietetic program April 10-12, 2022. Their response was positive and supportive of the proposed curriculum and program as a Future Education Model that allow graduates to take the registered dietitian nutritionist examination upon completing the degree requirements. This option is a tremendous benefit to our current and potential students as the supply of accredited internships and graduate program is not keeping up with demand. As a result, many of our students completing our DPD have not been able to obtain admission to dietetic internships and coordinated programs to become registered dietitians. Starting this program aligns with TSU's mission of producing graduates with advanced training, knowledge, and proficiency at excelling in professional settings, that require the application of scientific and management skills.

The proposed program is unique from traditional dietetic programs as student success and progress are based on demonstrating required competencies via supervised experiential learning activities and simulations. Competency-based evaluations may

improve the likelihood of students completing the program as it will allow many opportunities for students to develop and demonstrate their aptitude in nutrition and dietetics. Cohort progression through block course scheduling may increase a student's perceived social support, which could increase their likelihood of completing the program.

Students enrolled in the competency-based graduate program in dietetics will have immersive didactic experiences at Meharry Medical College, one of the nation's oldest and largest historically black academic health science centers dedicated to educating physicians, dentists, researchers, and health policy experts. We also have a memorandum of understanding in place with Metro General Hospital for current and future students to volunteer and gain hands-on experiences in the medical and auxiliary services. As an 1890 land grant institution, students have hands-on experiences with Extension Agents in rural and urban communities delivering nutrition education through 4-H, SNAP-Ed, FNEP and other government-sponsored programs. Students interact with health providers serving in both profit and non-profit organizations and medical facilities throughout Middle Tennessee and abroad.

The Master of Science (M.S.) degree in Nutrition and Wellness with a concentration in Dietetics will provide students experiential training in community nutrition by working with TSU Cooperative Extension and other community-based agencies such as Metro Public Health Department. Our program requires students to work with a myriad and diverse collection of "communities" not limited to or bound by language, religion, culture, interest, health, gender, race and social class. Our location in Nashville lends itself to allowing us to partner with non-profit agencies, schools and businesses to allow students the opportunity to gain hands-on experiences delivering community nutrition.

D. Accelerated Track in Dietetics

This accelerated degree track requires students to attend summer courses to complete their undergraduate degree in three years. Student progress and successful completion of competencies will align with accreditation guidelines established by Accreditation Council for Education in Nutrition and Dietetics (ACEND®) and the Southern Association of Colleges and Schools™. Students will obtain their B.S. and M.S. degrees within 5

years. This allows students to not only complete their Master's degree in shorter time, it allows them the opportunity to become a registered dietitian, having the required master's degree, in a shorter period of time.

The goal of the accelerated track in the Dietetics concentration is to provide students interested in nutrition and dietetics an opportunity to earn a Master's degree and obtain a verification statement (enabling students to sit for the exam to become a registered dietitian) within a year of completing their undergraduate matriculation. The goal of the program is to give students experience in providing culturally appropriate and community-focused nutrition education while earning a Master's degree at a competency level that meets the criteria to take the registration examination in dietetics.

Highly motivated students have an opportunity to complete both the undergraduate and graduate program in Dietetics at an accelerated pace. Students in the Dietetics concentration, including the accelerated track, matriculate as a cohort. A student interested in the accelerated BS/MS program will complete a formal application reviewed by a selection committee. Accepted students sign a contract specifically attesting to their willingness to adhere to the rigors of the program including the code of conduct and attendance requirements.

The mission of our accelerated track in dietetics is to train and educate students to become registered dietitians exceptionally culturally competent to combat health disparities and committed to serving the underserved and uninsured. Diversity in dietetics is important to increase access to healthcare, cultural competence, and patient satisfaction and adherence in vulnerable populations^[10, 11]. The Accreditation Council for Education in Nutrition and Dietetics reported that the number of Black dietitians is 3% which is lower than what it was in 1998 when it was approximately 3.57%^[12].

II. Graduate Certificates:

To meet the needs of working professionals, we will offer graduate certificates in the following specialized areas:

- A. Nutrition Intervention, Policy, Systems, and Environments
- B. Food Justice & Nutrition Security
- C. Food Safety & Emergency Preparedness

Each area requires completion of 18-hours and students can take their courses completely online. Each graduate certificate coordinates with the curriculum of the corresponding Master of Science in Nutrition and Wellness. The courses needed to receive a graduate certificate are offered as part of the proposed graduate program. Our certificate programs require students to interact virtually with a myriad and diverse collection of “communities” not limited to or bound by language, religion, culture, interest, health, gender, race and social class.

A. Nutrition Intervention, Policy, Systems, and Environments

Along with the countless calls for a renewed focus on applied life skills in nutrition and wellness, there is a growing body of literature regarding using strategies to move beyond intervention with individuals to improve the policy, systems, and environment of local communities and increase access and availability of resources for the promotion of the global well-being [13, 14]. At the same time, communities are grappling with a meteoric rise in chronic health conditions across the lifespan, implications of caring for an aging population, housing affordability, crumbling public infrastructure, and growing swaths of the nation that contain health care, food and child care deserts. Therefore, policy, systems and environmental change models have become the pinnacle of evidence-based interventions recognized by federal, state, and local government and non-profit foundations to help communities address local problems that impede well-being and sustainability. The nutrition intervention, policy, systems, and environments certification provides the knowledge, skills, and competencies needed for changing food systems, food policies and food environments. Students learn to develop and deliver culturally appropriate and community-focused programs, interventions, and policies by providing an experiential education that focuses on community-based participatory methods, community social capital and civic engagement models and frameworks.

B. Food Safety and Emergency Preparedness

Certificates in this area are for persons working with communities and within organizations. This certification emphasizes the basics and specific food safety topics such as foodborne illness, proper food handling, cleaning and sanitation procedures, the safe handling of specific foods, such as seafood or poultry, and the safe preparation of specific types of food, such as buffets or catered events. In addition to preparing for an emergency, the program provides practitioners with the knowledge, skills, and ability to manage and meet the needs of the nation and other populations experiencing loss of utilities, drinking water, and other challenges faced during catastrophic incidents. Emergency preparedness also addresses how to prepare for and respond to food recalls and other food safety emergencies. Classes will include practical exercises where students can apply what they learn through hands-on food safety training, such as how to properly clean and sanitize a kitchen, or simulated emergency preparedness drills. The legal requirements such as the Food Safety Modernization Act (FSMA) and other regulations that govern food safety are covered. Students learn how to communicate food safety information to consumers and with other food safety professionals. The goal of this certificate program is to prevent the tragic loss of life by empowering and preparing leaders in emergency preparedness and prevention of foodborne illness/sickness. Students graduate with the knowledge and skills needed to work safely in the food industry and to respond to food safety emergencies.

C. Food Justice & Nutrition Security

This certification prepares students as professionals qualified to promote food security, advocacy, and access and interventions within community settings. Emphasis is placed on understanding how policies, environments and systems (PSE) can be improved to promote and advocate for food justice and food sovereignty in rural and underserved populations. Courses cover the origins, causes, and consequences of food insecurity. Students explore solutions to food insecurity and nutrition insecurity including food policy, community-based food security initiatives, and individual-level interventions.

Other topics on advocating for food justice, supporting community-based food security initiatives, and promoting healthy food choices are covered. In addition to these topics, classes cover the ethical dimensions of food justice such as the right to food and the moral implications of food insecurity, and the importance of food culture and the challenges of addressing food insecurity in diverse communities. The environmental dimensions of food justice such as the impact of food production on the environment, the importance of sustainable food systems, and the role of food justice in addressing climate change are also covered in the curriculum. Students learn socially empowering leadership skills needed to promote change within food systems and are educated in the foundation of leadership and environmental justice. The Food Justice and Nutrition Security certificate equips students in the structural, historical, and cultural roots of our food system and cover issues surrounding disparities in food access, land ownership, agricultural practices, and the distribution of technology.

Alignment with State Master Plan and Institutional Mission

Thesis and Non-Thesis Options

Our proposed graduate program prioritizes the recommendation for the increased use of instructional technology and non-traditional instructional approaches. Our non-thesis option requires 36 semester credit hours to complete while the thesis track requires 33 hours of course work. Students in the in-person dietetics concentration graduate with 40 hours and the eligibility to take the Commission on Dietetic Registration (CDR) credentialing exam to become a Registered Dietitian Nutritionist (RDN).

Students in the non-thesis track will complete coursework that presents the theoretical principles of each specific concentration, followed by their successful completion of mandatory internship hours / independent project under the immediate supervision of a qualified practitioner for the specific concentration. The curriculum design, course delivery method, and corresponding internship work experience allow students to observe, improve their work proficiency, and ultimately contribute to active projects where these skill-sets are used. The combination of formal coursework and applied knowledge in a

project setting ultimately serves to produce qualified candidates ready to fill high-skill positions of employment in both the public and private sectors.

All concentrations and graduate certificates in the proposed Master's (M.S.) degree respond to THEC's recommendations to sustain the "growth of certificate and degree production," and improves the overall "quality of programs and services" by providing students the opportunity to receive credentialing in addition to obtaining degrees. Credentialing increases credibility by recognizing the coursework and experience of the individual and their ability as professionals in their discipline. In addition to the credentialing provided, students in Human Sciences receive theory and training in culinary arts, community and clinical nutrition, health management and wellness, housing and resource management, human/child development and family relations, personal and family finance, retailing and entrepreneurship. The principles of sustainable practices, consumerism, education and leadership are woven throughout the human sciences curriculum.

Tennessee State University is committed to promoting life-long learning, scholarly inquiry and a commitment of service to others. Having a graduate program in the Human Sciences Department aligns with TSU's mission of producing graduates with advanced training, knowledge, and proficiency at excelling in professional settings, that require the application of scientific and management skills. Key recommendations in TSU's Academic Master Plan (AMP) 2008-2028 include the vision of preparing leaders for global service through signature academic programs in health and education, enterprise and leadership. This program responds to key recommendations in TSU's Strategic Plan (SP4, SP Goal 1.6, and SP Goal 1.3) that call for the greater use of online instruction, incorporation of features where students can explore career pathways that lead to high-demand, high-skill jobs, and offering programs for student that attract and retain more pupils from diverse backgrounds.

The College of Agriculture at TSU has recognized the need to continue the programmatic development that produces graduates qualified to lead programs in the many specialties

within the family and consumer sciences discipline. This degree program aligns with TBR's key priority of promoting access to distance education. Additionally, this aligns with TSU's goal to "increase the number of students enrolled in online or hybrid degree programs."

Institutional capacity to deliver the proposed academic program

All faculty in the Human Sciences Department teach graduate courses based on their education, credentialing, and expertise as part of their assigned duties. Our Program Coordinators, Focus Group Leaders, the Early Learning Center Director and the Department Chair closely monitor the progress of students to ensure the success of the students and the program for accreditation purposes. Since we have an existing ACEND-accredited DPD, many of the undergraduate students will be admitted. Duties of the focus group advisory boards, established for each undergrad concentration, will also provide strategic advice for graduate coursework and internship experiences. This approach takes full advantage of the collective potential and synergy within the Human Sciences Department and experts in industry and other organizations.

Distance education classes are not handled differently from traditional sections with respect to calculation of faculty load, overload, and salary. Workloads of individuals selected to serve as instructors in the graduate degree program will be adjusted accordingly to maintain required credit hours equivalents without impacting the quality of current programs. The program will not affect other departmental programs and workloads. Program courses are considered a part of a regular workload and may occasionally contribute to an instructor's overload, requiring additional compensation. Any instructor's overload conditions will be voluntary and will be at the discretion of the Human Sciences Department Chair, the Dean of the College of Agriculture, and the Provost and Executive Vice President for Academic Affairs. Policies regarding overload conditions and compensation are no different from established TSU and TBR policies.

The Brown-Daniel Library provides excellent support for the M.S. in Nutrition and Wellness degree program by providing access to print and electronic resources, and

traditional and online services so we have no reason to doubt the same will not be available for our program. The Library's resources and services are accessible at any time and any place for the enrolled students, faculty and staff. This includes printed books, electronic books, referred journals, traditional and online services, electronic document delivery, library orientation and bibliographic instruction, online reserves, interlibrary loan, online forms, and online surveys. The hours of operations for the library are given below.

	Fall and Spring Semesters	
	<i>Main Campus</i>	<i>Avon Williams</i>
Monday-Thursday	7:30 am-11:45pm	8:00am - 10:00pm
Friday	7:30 am - 4:30pm	8:00am - 4:30pm
Saturday	10:00 am - 6:00pm	8:00am - 4:30 pm
Sunday	2:00 pm - 11:45pm	2:00pm - 9:00 pm

During the Summer Semester the Library closes at 10:00pm rather than at 11:45pm. The Main Campus Library is open 24 hours for 5 days for final and 3 days for mid-term examinations.

The Nutrition and Wellness online concentrations are distance education graduate programs and minimizes the use of traditional physical facilities. However, online instruction requires considerable investments in technology infrastructure. These investments include networking, computer and server resources, and software. TSU has developed a delivery system for distance education that provides sufficient technical resources and support for faculty and students. The TSU network that serves 9000+ students and 900+ faculty and staff with a fiber optic gigabit Ethernet backbone with 100 mbps to the desktop. The network connects 40+ university buildings to serve 45+ computer laboratories located in academic departments and residence halls housing more than 1,000 Windows-based computers and 175+ Macintosh computers. Software packages supported include the Microsoft Office suite, statistical analysis, programming languages, and many discipline-specific applications. Students are provided two computing accounts after admittance to TSU: 1) a web-based student information portal for class registration, grade lookup, account balances, and email; and 2) an on-campus account for internet access, software applications, email, and other network resources.

TSU's Communication and Information Technologies (CIT) division is a service organization with the core mission of providing technological leadership to the University for planning and management of the communication and computing resources needed to fulfill the mission of the academic and administrative units. The CIT division is organized into three service units - Client Support, Management Information Systems, and Systems Support. Computer support technicians and a help desk are provided to answer hardware and software questions. Resources are provided for the development and administration of eLearn courses according to TBR guidelines. Faculty and staff have desktop and laptop computers capable of teaching and managing eLearn content.

Faculty will have advisement responsibilities that include orientations at the beginning of each fall semester, personalized instruction, and guidance to enrolled students throughout their duration within the program. Students will receive structured mentoring and access to faculty by adopting requirements and guidelines prescribed by TSU's eLearn program and the TBR Online Degree Program. Students also will receive access to faculty and members of the advisory board (by telephone, appointment, e-mail, video-conferencing, etc.) on a regularly scheduled basis.

We will publish office hours, meetings, and all other contact between the students and the faculty and advisory board members that foster mentoring online (via course syllabi, emails, other documentation, etc.) for students. We will provide students unable to reach assigned faculty alternative departmental contacts who can aid in their mentorship. Student mentoring and advisement support will be provided to students, as related to completing the coursework, internship, comprehensive examinations, and other requirements for degree completion. The faculty and advisory board members approve the instruction/training, guidelines, and curriculum objectives.

The proposed program will have positive effects on existing degree programs and concentrations within the institution and the region. Students will benefit from taking courses as electives and thereby gaining some basic knowledge to apply in their respective fields. Other programs or concentrations that will benefit are: Agricultural

Sciences, Food Technology, Biology, Health Sciences, and majors in College of Business and College of Public Service and Urban Affairs.

Existing programs offered at public and private Tennessee institutions

A search of Tennessee universities that offer graduate programs in 19.05 (Foods, Nutrition, & Related Services), and 51.3101 (Dietetics and Clinical Nutrition) found that two public and one private university offer graduate programs in these areas. The University of Tennessee at Knoxville offers a Doctor of Philosophy degree in two concentrations: Biomedical Nutrition or Community Nutrition and a Master of Science in Nutrition with a concentration in Clinical Nutrition & Dietetics. Lipscomb University, a private Christian institution, offers a Master of Science in Nutrition and Dietetic Internship Program (MS DI).

The Master of Science in Family and Consumer Sciences (MSFCS) at the University of Tennessee at Martin is a 48-credit hour program. The program is offered completely online and is designed to be completed in two years. The program is divided into two concentrations: General Family and Consumer Sciences and Dietetics. In addition to advanced coursework, the dietetics concentration, designed to prepare students to become registered dietitians, incorporates a 10-month dietetic internship, which is accredited by the Accreditation Council for Education in Nutrition and Dietetics.

The Master of Science in Human Nutrition program at the University of Tennessee at Knoxville is a 36-credit program that prepares students for careers in research, teaching, and clinical practice. The Master of Science in Dietetics program at the University of Tennessee at Knoxville is a 48-credit program that prepares students to become registered dietitians. Pending approval by the Southern Association of Colleges and Schools Commission on Colleges, the Master of Science in Dietetics program at Belmont University will require 48-credits and prepare students to become registered dietitians. There are four other public and two private Tennessee universities that offer programs with the CIP 19.01 (Human Sciences) code; Austin Peay State University, Middle

Tennessee State University, the University of Tennessee at Chattanooga, and the University of Tennessee at Martin. The degrees offered at these universities are Bachelor of Science degrees.

As a public university located in Nashville, we will provide a more affordable option than both private universities within Nashville. Human science-related professions are considered community and social service occupations. The Bureau of Labor Statistics predicts employment in this area will increase by 10% by 2024 with an additional 255,000 jobs ^[15]. Popular careers within the human sciences field include nutrition, child development, leadership development, and consumer sciences.

Accreditation

The department worked with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) for guidance in developing a certified and accreditation worthy program for the Master of Science in Nutrition and Wellbeing with a concentration in Dietetics. (See the attached letter from the site visit March 2022.) ACEND accreditation standards for the graduate degree programs in nutrition and dietetics Future Education Model served as the guiding structure and format for the accelerated track and dietetics concentration. The dietetic concentration must meet the quality-assurance, oversight, organizational structure, financial stability, sufficient resources, program length and program management required by the Commission on Dietetic Registration (CDR). The CDR administers a rigorous, valid, and reliable credentialing processes to protect the public and meet the needs of CDR credentialed practitioners, employers and consumers. Upon approval of this proposed program, TSU will notify the Southern Association of Colleges and Schools (SACS). SACS will decide upon the need for substantive change.

The Human Sciences Department undergraduate program in Family and Consumer Sciences is accredited by the Council for Accreditation of the American Association of Family and Consumer Sciences. The Didactic Program in Dietetics undergraduate program at TSU is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza,

Suite 2190, Chicago, Illinois 60606-6995, 312/899-0040 (ext. 5400), www.eatrightpro.org/acend. The DPD at TSU provides the necessary coursework to meet the academic requirements of the Accreditation Council for Education in Nutrition and Dietetics (ACEND). All students in the DPD program receive a DPD verification statement after completing all didactic coursework outlined in the curriculum with a minimum grade of a C. The verification statement allows students to take the **Nutrition and Dietetic Technicians, Registered (NDTRs) examination** upon graduation and to apply for a dietetic training program to become a registered dietitian nutritionist (RDN).

Tennessee State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the Associate, Bachelor's, Master's, Specialist in Education, and Doctoral degrees. The University was first accredited in 1946 and reaffirmed in 2011. The next reaffirmation is in 2020. TSU has received national program recognition or approval from the following associations: Accreditation Board for Engineering and Technology; Accreditation Council for Occupational Therapy Education; Accreditation in Physical Therapy Education; Accreditation of Allied Health Education Programs; American Chemical Society; American Psychological Association (APA); Association of University Programs in Health Administration; Association to Advance Collegiate Schools of Business (AACSB); Commission on Accreditation of Allied Health Education Programs in collaboration with the Council on Education of the American Health Information Management Association; Commission on Dental Accreditation; Council for Accreditation of the American Association of Family and Consumer Sciences; Council of Academic Accreditation of the American Speech-Language-Hearing Association; Council on Social Work Education; National Accrediting Agency for Clinical Laboratory Sciences; National Association of Industrial Technology; National Association of Schools of Art & Design; National Association of Schools of Music; National Council for Accreditation of Teacher Education (NCATE); National League for Nursing Accreditation Commission; and National Association of Schools of Public Affairs and Administration (NASPAA). See Appendix A Accreditations and Memberships.

Administrative Structure

No new organizational framework is required to bring this program online but is needed for the proposed accredited graduate program in dietetics that credentials students completing the program.

Section III: Feasibility Study

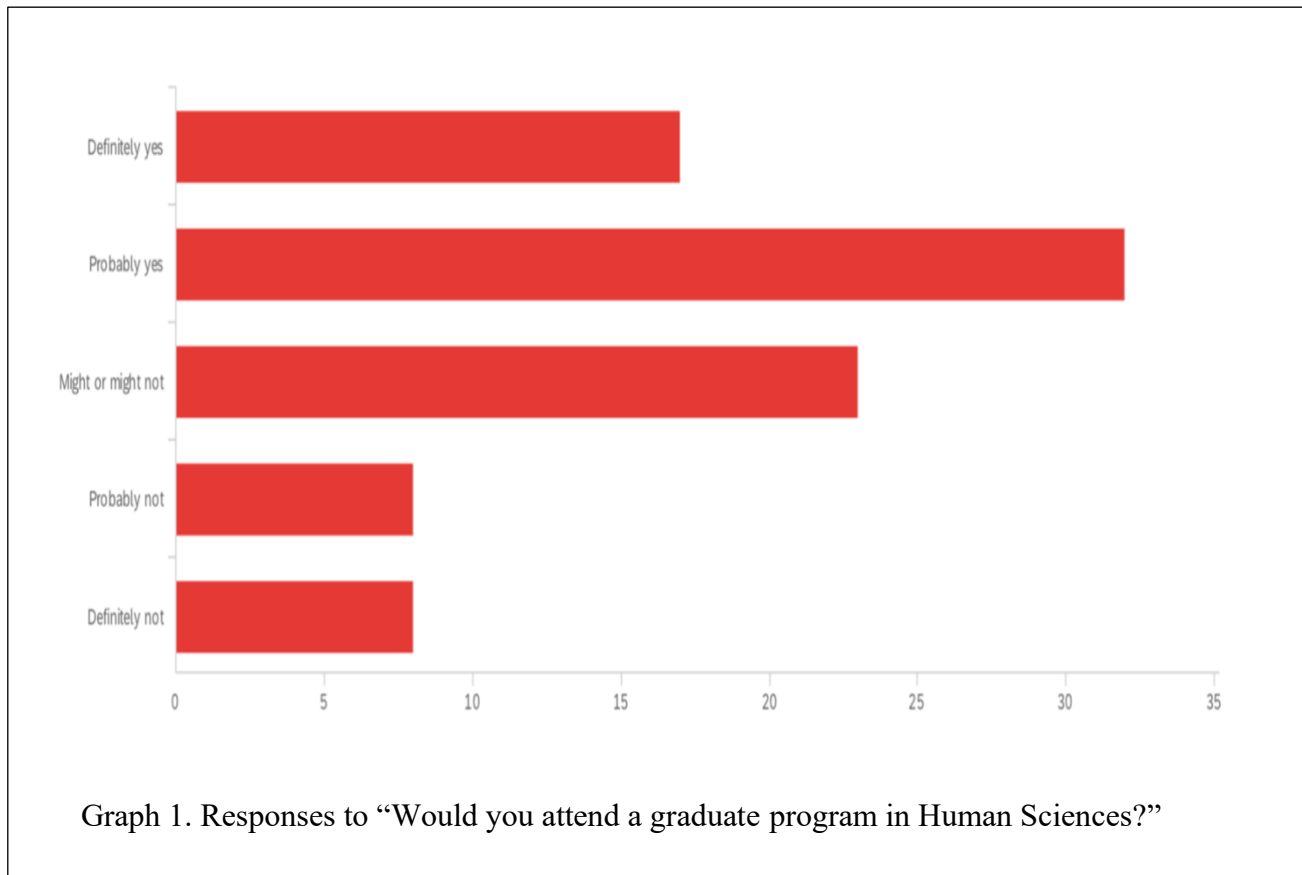
Student Interest

Each semester since Spring 2019, we have asked our majors to take an online survey to assess our faculty and facilities and get feedback to improve the program. We ask about their intention to attend graduate school, what study area, and other questions. More than half of the respondents replied they will attend a graduate program in Human Sciences (56%, N= 99) compared to 12.5% (11/99) that said they did not plan to attend (Graph 1). Graph 2 shows the top three areas of study students said they want to pursue: child development, family studies, and fashion merchandising. Combining dietetics with food and nutritional sciences yields a tie with child development. As an HBCU and the only public university in Nashville, Tennessee, we offer a more affordable education in a great locale for the students we serve, 85% of which come from underrepresented ethnic groups, disadvantaged communities, and/or low socioeconomic classes. Thus, TSU having a dietetic program increases the number of disadvantaged and underrepresented students achieving credentialing as registered dietitians.

Based on their responses and the number of students we successfully graduate each semester, we are confident that a graduate program will be successful in attracting students. Because of the population that we serve as a historically Black university, we are seeking funding from external sources to strengthen our efforts to recruit outstanding, qualified students from disadvantaged backgrounds. Our aim is to develop a premier graduate program that prepares students to use research-based information and technology to engage local communities to solve local problems.

The graduate program integrates applied and engaged learning activities that emphasize using policy, systems, and environment change models. The mission of the graduate

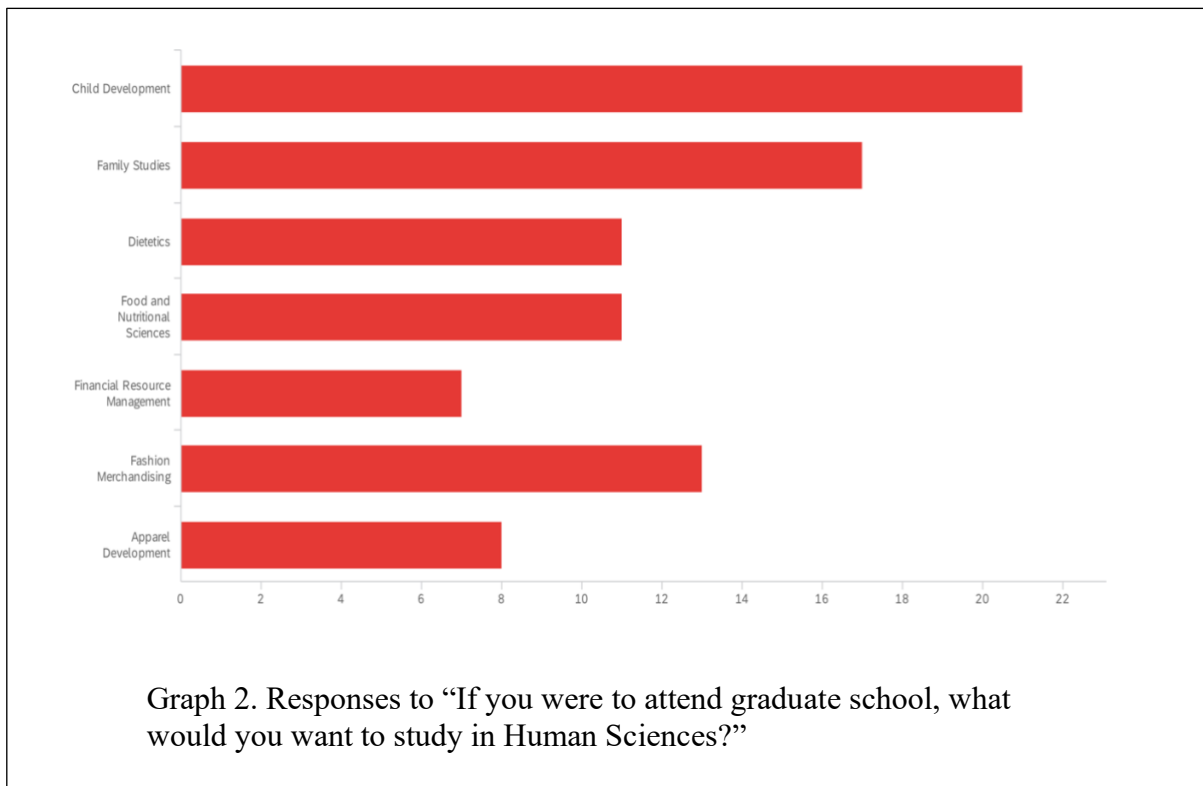
program is to: (1) address the lack of diversity in the workforce and (2) fill the increased need for professional practitioners within Cooperative Extension, family and consumer sciences, public health, and other professions. We desire to build and strengthen the skill set of individuals that want to work with the underserved and in disparate health communities to improve the quality of lives.



Local and Regional Need/Demand

The demand for Master’s-level programs in Human Sciences is high. In a survey of students, 2018-2020, as a part of the exit survey given to graduating students, approximately 72% (26/36) of them reported an interest in obtaining a Master’s degree in Family and Consumer Sciences. Nutrition students since 2008 have expressed the need for a dietetic internship in the department to increase their chances of admittance.

A survey of current students in preparing this proposal showed that over 90% (33/47) are interested in continuing their education to the Master's level of human sciences. Every spring semester, an average of 20 students graduate, and an average of 8 graduate each fall. These are potential clients the graduate programs will attract. Putting degree programs online makes TSU competitive with other universities in and outside of the state of Tennessee.



Because of the critical shortages and areas of disproportionate underrepresentation of diversity in nutrition and dietetics, there is a dire need to recruit, maintain, and graduate culturally diverse students in nutritional sciences and dietetics. There is a need to have registered dietitian nutritionists specializing in preventing and treating diseases that affect historically disadvantaged populations.

Employer Demand

Our proposed graduate programs offer career pathways for students and award levels of achievement through additional certifications that increase their employability. The Human Sciences Department prepares students for career pathways related to families and human needs, such as personal care, counseling, and consumer services. Our proposed graduate degree path options include coursework and skill development in areas expected to grow, such as science, technology, education, management, and health services. Many people are unaware of the strong science foundation and opportunities that Human Sciences provide. For example, students in the nutrition concentration must take 16 hours of chemistry. Human Sciences prepares individuals for careers involving aspects of human needs socially, emotionally, and physically. Thus, our online graduate concentrations and certificates in Nutrition and housed within the Human Sciences Department is exceptionally vital for the future of the citizens in the State of Tennessee and across the globe. Online graduate programs are providing an ideal solution to the problem—effective, convenient, and affordable training that satisfies the needs of employers and employees. Online graduate programs at Historically Black Colleges or Universities (HBCUs) are growing in higher education.

Because of the critical shortages and areas of underrepresentation in the dietetics profession, there is a dire need to recruit, keep, and graduate culturally diverse students in nutritional science and dietetics. As of June 22, 2020, there were 104,667 registered dietitians/nutritionists. Only 2,548 (2.4%) were African American, 3,649 (3.5%) were Hispanic, 4,187 (4%) were Asian, 515 (0.5%) were Native American or Alaskan, and 904 (0.9%) were Pacific Islander ^[16]. According to the US Bureau of Labor Statistics, employment of dietitians is projected to grow 7% from 2019-2029 ^[17].

As of June 6, 2023, there were 2,930 licensed registered dietitians/nutritionists in the state of Tennessee. Of the 2,930, only 5.9% (N=175) are African American/Black, 5.6% (N=165) are Asian, 1.6% (N=48) are Hispanic and less than 1% (N=4) are Native American ^[18]. Our program will increase the number of registered dietitians from historically disadvantaged backgrounds. A study tracking college graduation rates from

2010 to 2016 found that African Americans' 6-year college completion rates averaged less than 40%^[19]. This is less than Asian, white, and Hispanic students and reaffirms the need for programs and initiatives to improve African American students' retention and enrollment rates. The structure of our competency-based program, with integrative co-curricular engagement, will help improve the completion rates of African Americans attending TSU.

The U.S. Department of Labor predicts that during 2018-28, healthcare and social services occupations that provide individual and family resources are among the fastest-growing groups ^[20]. Historically, most specialists in these fields diagnose and treat clients. As the population's diversity increases and healthcare costs rise, the trend is finally moving toward holistic, preventative interventions and program development. This increases the demand for qualified graduates in human sciences with exposure to real-life project settings and skill sets.

Community and Industry Partnerships

Faculty in the department discussed the need and desire for a graduate program among many community and industry partners, students, and advisory board for over the last five years. Our Human Sciences Advisory Board includes individuals from Metro Action Alliance, Clarksville-Montgomery County Community Action Agency, Second Harvest Food Bank of Middle Tennessee, St. Andrews, Metro General Hospital, Nashville Metro Schools, Goodwill Industries, the McNeilly Center for Children, Nashville State Community College, Ascension Saint Thomas, Fresenius, and other local and nationwide government and non-profit stakeholders. These Advisory Board members and stakeholders are interested in graduate degree programs to build and strengthen their organizations and the workforce. As our partnering organizations, they have helped with improving our current academic programs and developing this proposed graduate program. We developed the proposed Master of Science program in consultation with the advisory board and stakeholders over the last five years and reflect the changing demands and needs of students and the market since fall 2019.

The benefits of the degree program include developing professionals serving the public in positions that improve the quality of lives of others, such as teachers, researchers, policy makers, and leaders in government, community, and industry settings. Short-term benefits include providing educated, empowered, and competitive graduates able to succeed in human science careers. Long-term benefits include enhancing the Human Sciences Department's presence as a leader in research and experiential education that prepares students to serve in diverse communities. Having an accelerated dietetic and certificate tracks hastens the time and lowers the costs of students getting the advanced skills and entering the workforce. Tennessee State University has affiliation agreements with supervised experiential learning sites across Tennessee and with universities and other organizations in other states and countries. Affiliation agreements are specific for each site. Letters of support from invested parties are included in the Appendix A.

Section IV: Enrollment and Graduation Projections

Projections of the student enrollment and graduation of the first five years are based on several factors including the current enrollment and graduation trends in the Human Sciences Department, the feasibility studies of the current and previously enrolled students (undergraduate), and research information gathered from stakeholders, potential employers, and enrollment and retention trends in human sciences. Reported projections for demand of college graduates are primarily based on the U.S. Bureau of Labor Statistics (BLS) and derived from the National Center for Education Statistics (NCES) of the U.S. Department of Education ^[21]. The BLS predicted a 5.2% increase in the U.S. labor force between 2018 and 2028. An increase in employment opportunities in occupations related to food, agriculture, renewable natural resources and the environment estimated to grow 2.6% between 2020 and 2025 for college graduates with bachelor's or higher degrees. This estimation includes students enrolled in the Department of Human Sciences, housed in the College of Agriculture.

Through marketing and advertising of the program, we expect to enroll no less than twenty students in the first year. Each year thereafter, we expect additional students enrolling during the second through fifth years as presented in Table 2. We project at least ten

students to enroll in the dietetics concentration (in-person) and at least ten in the community and human nutrition concentrations (in-person and online) in the first year as Tennessee State University is one of the most affordable state funded universities in Tennessee. Attrition rates are projected at 20% or 4 students a year based on the Council of Graduate Schools data [22].

Table 2. Projected Enrollments and Graduates.

Year	Academic Year	Projected Total Fall Enrollment	Projected Attrition	Projected Graduates
1	2024-2025	20		0
2	2025-2026	30	-4	10
3	2026-2027	30	-4	12
4	2027-2028	36	-4	16
5	2028-2029	36	-4	16

Integrative Co-Curricular Engagement

We structured and designed our graduate classes for students to have ongoing mentoring and coaching from faculty. Each student will have at least one class taught by extension and research faculty. The graduate courses have experiential activities that include hands on, real-life opportunities. Graduate students complete supervised activities with assigned or approved preceptors. Preceptors at any non-profit, profit or government agency will provide students with as much hands-on experience as possible. Our graduate students attend year-round, as if they were in the workforce, and matriculate as a cohort to build a learning community and culture of learning from the onset. The cohort provides students with continuous and consistent mentoring. Our targeted student is African American, Hispanic, and other historically disadvantaged and underserved populations.

Students in the Dietetics concentration graduate once they fulfil 40 hours of graduate credit hours needed to earn a Master's of Science in Human Sciences with eligibility to become credentialed as a registered dietitian. Students completing the online concentrations will complete 33 or 36 hours of coursework depending on their selection of a non-thesis or thesis option. We recommend the non-thesis options for individuals who wish to pursue careers in professional settings other than research or academia, and who do not wish to pursue additional educational opportunities at the doctoral level.

Section VI: Projected Costs to Deliver the Proposed Program

We need no additional physical classrooms for the proposed M.S. degree and graduate certificate programs. A Program Coordinator position is desirable to work with students and organizations in locating supervised experiential learning (SEL) sites to get memorandums of understanding (MOUs) and Affiliation Agreements for students to fulfill their SEL requirements. Research, extension, and teaching faculty hired in the existing undergraduate concentrations will teach at least one graduate course a semester. The online course delivery method and the hybrid component (internships) allow for more refinement of professional skill sets from students with a well-grounded foundation in this field.

Faculty & Instructional Staff

Dr. Veronica Oates, a tenured professor, joined the Human Sciences Department on August 14, 2008. Dr. Oates has a Ph.D. degree in Nutrition from the University of North Carolina at Chapel Hill. Dr. Oates has over 17 years of nutrition, intervention, weight management, and dietetics. Since 2007, Dr. Oates has instructed nutrition courses online. Dr. Oates also instructed online graduate courses as an adjunct professor for North Carolina Central University in Durham, North Carolina, during 2011-13. Dr. Oates will oversee the proposed MS program as the Department Chair.

Dr. Brione Lockett, Assistant Professor and Interim Director of Community Nutrition Education Program Tennessee State University Cooperative Extension Program in the College of Agriculture will assist in teaching courses on wellness and emergency

preparedness. Dr. Lockett will work with placement of students in extension field experiences and help with thesis and project development of master’s degree students. Dr. Lockett taught graduate courses at his previous university. Dr. Lockett has a doctorate in health education and a Master’s in public health. Experienced in working with indigenous communities and mental health advocacy, Dr. Lockett’s areas of expertise include qualitative methodology, community health, and policy.

Other faculty, such as Dr. Latasha Williams, RDN, LDN, an assistant professor and Director of the Didactic Program in Dietetics, will teach one graduate course a year. Dr. Hongwei Si, a tenured research professor with a doctorate in human nutrition, will teach at least one graduate class a semester. He will devote six (6) credit hours to the proposed Master’s degree. Dr. Agnes Kilonzo-Nthenge, a tenured microbiologist and food safety researcher, will teach one graduate course a year related to food safety. Dr. Fur-Chi Chen, a tenured professor of food science, will teach one graduate course a year related to his area of expertise. We currently have two unfilled faculty positions in Cooperative Extension that include a percentage of teaching courses in the department. Revenue generated by the proposed graduate degree program will cover the costs of one full-time (80%) teaching faculty position and a program coordinator within the first five years of operation.

Table 2. Projected faculty proposed credit hours and time (%) to MS in Human Sciences

Faculty	Credit Hours	Time Devoted to Program By Year (%)				
		Annually	1	2	3	4
Dr. Fur-Chi Chen	3-4	15	15	15	15	15
Dr. A. Kilonzo-Nthenge	3-4	15	15	15	15	15
Dr. Brione Lockett	3-4	15	15	15	15	15
Dr. Veronica J. Oates	3-4	15	15	15	15	15
Dr. Hongwei Si	3-4	15	15	15	15	15
Dr. Latasha Williams	3-4	15	15	15	15	15
MS Dietetics Director*	6-8	30	30	30	30	30
Program Coordinator**	3-4	15	15	15	15	15

*New position required for ACEND-accredited program

**New position requested if enrollment increases.

We are requesting a 12-month, full-time faculty position for a director of the graduate program in dietetics concentration as required by ACEND. Academic Affairs created a similar position for the DPD program at the department's request to improve the program during a probationary period between 2013 and 2015. This faculty member recommends and verifies the teaching credentials of adjunct and permanent faculty within the concentration as it relates to courses being taught for the dietetics concentration each semester. The Graduate Dietetics Program Director coordinates the experiential learning activities and site placement, collects preceptor reports, and reports data on the students as required for the ACEND accreditation and verification form at the completion of the master of science (M.S.) degree. As enrollment increases and when needed, we will hire a Program Coordinator, as support staff, to help coordinate the experiential learning activities and site placement of students. Table 2 shows the projected faculty credit hours and time percentage. Please see the attached curriculum vitas of each of the listed program personnel and chair of the Human Sciences Department within Appendix E.

We do not handle distance education classes differently from traditional sections regarding the calculation of faculty load, overload, and salary. The department chair adjusts the workloads of individuals serving as instructors in the M.S. degree programs to maintain 15 and 12 credit hours equivalents without affecting the quality of the current undergraduate programs. The program will not affect other departmental programs and workloads. Program courses are a part of a regular workload. Faculty volunteer for overload hours for compensation. Extra service pay is at the discretion of the Human Sciences Department Chair, the Dean of the CAHNS, and the Provost and Executive Vice President for Academic Affairs. Policies regarding overload conditions and compensation do not differ from established TSU and TBR policies.

Non-Instructional Staff

Our department, faculty and students are fully supported by the organizational departments that facilitate daily operations at TSU including the Budget Office, Bursar, Facilities Management, Accounting and Payroll, Financial Services, Human Resources,

Payroll, Procurement, Travel Office, and Accounts Payable. The Financial Services Office strives to provide timely and courteous service to members of the university community and help to transact business under applicable Federal and State Laws, the TSU Board of Trustees, and university policies and procedures. The team handles cash receipting, student accounts and loans receivable, accounts payable and budget development and monitoring. In addition, this unit assists departments with fiscal issues and questions and handles a variety of reports for internal and external uses.

Resources for students include dedicated offices and units, such as our centralized One Stop student center. Services include academic advising and academic resources, including free in-person and 24/hour online tutoring, two libraries, and a testing center. Students also have access to a fully staffed writing center. Writing Center staff help students locate and write for scholarships and grants. The TSU Career Development Center helps students discover a career that matches their skills and interests and prepares them to get their dream job by providing various online resources and technology for students. The Office of Financial Aid administers federal, state, institutional, and private sources of aid following federal and state laws. This office informs students and parents about the distinct financial aid available and helps them in securing the financial resources to reach their educational aspirations. The College of Agriculture and the Human Sciences Department provide opportunities for students to receive financial aid through scholarships, work aid, research grants, and fellowships.

Graduate Assistants

The College of Agriculture provides two research assistantships for each graduate faculty. A graduate program allows us the ability to offer graduate students research, teaching, and extension opportunities with faculty to help provide a sense of community and professional development. The Department of Human Sciences will help graduate students by providing mentorship from faculty, alumni, and other graduate students in the program. The department will provide financial aid to graduate students through external grants scholarships, fellowships, teaching assistantships, and research assistantships. We estimate one graduate assistantship the first year of \$18,000. We estimate an offer

of three assistantships of \$18,500 in year two, five assistantships of \$19,000 in the third year, seven assistantships of \$19,500 in the fourth year, and nine assistantships of \$20,000 in the fifth year. Grants and fundraising efforts will provide graduate assistantships.

Accreditation

The accreditation fee for the Dietetics graduate program is paid annually. The fee for 2024 is \$2,680 but will be prorated after accreditation is granted. Every five to seven years, the program will conduct a self-study for reaffirmation that the program is meeting the accreditation standards. This fee costs \$7,100 for a team of two reviewers for visits that occurs between June 2021-May 2024.

Consultants

Two independent program reviewers with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) reviewed our self-study report and conducted a site visit of our proposed graduate program to determine if the program meets the ACEND Future Education Model Graduate Program Accreditation Standards. The ACEND Board's decision is contingent on the approval of the program from THEC. Per the THEC policy, consultants also will review the program. The estimated cost is \$500 per consultant, plus the cost of lodging and housing for one night. We expect having two consultants complete the review for an estimated cost of \$4,000.

Equipment

No new equipment is needed.

Information Technology

The Office of Technology Services provides faculty, staff and students reliable services. This unit provides university-wide support in the areas of academic computing, university-wide email communications, enterprise-wide applications (Banner, email, etc.), hardware and software purchases, networking, phone and communications, tech support (PC, mac, printer, hardware, software). They use technology in the offering for degrees

and courses offered at the University for distance learning. Distance Education (DE) at Tennessee State University (TSU) is flourishing, with over twenty online programs allowing students to get undergraduate and graduate degrees and certificates in diverse areas. We offer credit granting classes through various delivery methods, including interactive video instruction (ITV/VOIP), online, and hybrid/blended online. The TSU Office of Technical Services provides technical and IT support for electronic devices for faculty and students. They also support the computer labs across campus, including the lab specifically for use of the Human Sciences Department. The office offers technical training for faculty and students.

Library Resources

The Brown-Daniel Library provides support for the M.S. in Human Sciences degree program by providing access to print and electronic resources, and traditional and online services. The Library's resources and services are accessible for the enrolled students, faculty and staff. This includes printed books, electronic books, referred journals, traditional and online services, electronic document delivery, library orientation and bibliographic instruction, online reserves, interlibrary loan, online forms, and online surveys.

Off-Campus Library Services provide immediate access to library resources, which include delivery of journal articles by mail, fax or Inter-Library Loan. Library users access online databases, the online catalog, and information on the Library's homepage from remote sites. Library staff provides services that are pertinent to the unique needs of off-campus students and faculty, including database searching, answers to quick reference questions, and instruction in using appropriate sources via e-mail, telephone, fax, and mail. In addition, the library assists students via the Embedded Librarian program within online, hybrid, and on ground courses. The "Ask Us" reference service is also available via e-mail.

Marketing

The plan for marketing the program includes placing information about the program on the university's website and accreditation organizations, which are no cost options. Both the Accreditation Council for Education in Nutrition and Dietetics (ACEND) and the American Association of Family and Consumer Sciences (AAFCS) annual accreditation fees include a web listing of member programs.

Facilities

Except for dietetics concentration, the M.S. in Human Sciences programs are completely distance education programs. The nature of online instruction itself minimizes traditional physical facilities. However, online instruction requires considerable investments in technology infrastructure. These investments include networking, computer and server resources, and software. TSU has developed a delivery system for distance education that provides sufficient technical resources and help for faculty and students as mentioned earlier.

Travel

The anticipated travel costs associated with establishing the graduate program are related to visiting experiential sites and meetings with preceptors for the Dietetics concentration.

Other Resources

There are no anticipated additional resources needed by students that are not provided by the university.

Section VII: Projected Revenues for the Proposed Program

Tuition

The tuition rate at TSU is based on the number of credit hours taken. Students in our accelerated BS-MS track take 18 hours fall and spring and six to eight credit hours each summer. Some semesters require students to pay additional fees for specific experiential activities. In spring 2023, in-state graduate tuition for 15 hours totaled \$5,639, including

a \$604 program service fee. Out-of-state graduate tuition total cost was \$12,039. Students pay \$30 per course for science laboratory fees. We require students to pay a book bundle fee for general education courses and a non-refundable reservation fee of \$250. We credit this fee to tuition upon enrollment into the program. Each year, we collect lab fees to cover costs of recitation, practicums, and lab supplies.

Certificate Program estimates are based on the costs of credit hours taken. There is an application fee that is paid to the university's graduate school. Please see THEC Financial Projection Form showing the revised THEC Financial Estimate Form for TSU's proposed M.S. degree in Human Sciences.

Graduate Program Estimates:

Credit Hours	Maintenance fees	Program Service Fee	Total Graduate In-State	Graduate Out-of-State	Total Graduate In-State
1	\$458	\$75	\$533	\$582	\$1,115
2	\$916	\$150	\$1,066	\$1,164	\$2,230
3	\$1,374	\$225	\$1,599	\$1,746	\$3,345
4	\$1,832	\$300	\$2,132	\$2,328	\$4,460
5	\$2,290	\$375	\$2,665	\$2,910	\$5,575
6	\$2,748	\$450	\$3,198	\$3,492	\$6,690
7	\$3,206	\$525	\$3,731	\$4,074	\$7,805
8	\$3,664	\$604	\$4,268	\$4,656	\$8,924
9	\$4,122	\$604	\$4,726	\$5,238	\$9,964
10	\$4,580	\$604	\$5,184	\$5,820	\$11,004
11	\$4,671	\$604	\$5,275	\$5,936	\$11,211
12	\$4,762	\$604	\$5,366	\$6,052	\$11,418
13	\$4,853	\$604	\$5,457	\$6,168	\$11,625
14	\$4,944	\$604	\$5,448	\$6,284	\$11,832
15	\$5,035	\$604	\$5,639	\$6,400	\$12,039

*Estimated costs

**Fee applied toward tuition if student attends

***Optional learning opportunities

(\$) Estimated costs per semester

Revenue

Using the cost of attendance for academic year 2023-2024, the chart below shows the projection for the next 5 years for the in-person Dietetics concentration. Please refer to

the attached Excel spreadsheet (Appendix B) for the THEC Financial Estimate Form regarding TSU's proposed M.S. degree in nutrition. Our financial projection estimates that 25% of the students will pay out-of-state tuition rates. In the first year of the dietetics concentration, we expect only 10 students, with 3 spots available at the out-of-state tuition rate. The estimated tuition and fee revenues for the Dietetic concentration are \$117,194 + \$69,18 for \$186,212. We conservatively estimated the tuition and fee revenues for the Community and Human Nutrition concentrations using an in-state tuition rate for 10 students, taking nine (9) credit hours each semester for \$94,520. This brings the total estimated revenue for year one to \$280,732. Year two estimates are conservatively based on the same for the Dietetics students at \$186,212 and an increase of 10 additional students enrolled in the Community and Human concentrations for a revenue of \$189,040. Conservatively, the revenue projected for year two is \$375,252. We use the same estimate for the third year. Fourth- and fifth-year estimates include an additional \$9,452 for three (3) part-time students seeking certificates for \$384,704. It does not factor tuition rates increases in the projections.

Dietetic & Accelerated Dietetic Program Estimates:

	Year 1	Year 2	Year 3	Year 4	Year 5	Total Fees
In-State Tuition	(\$6,321) \$12,642	(\$6,406) \$12,812	(\$6,493) \$12,986	(\$6,582) \$13,164	(\$6,672) \$13,344	\$64,948
Out-of-State Tuition	(\$11,253) \$22,506	(\$11,478) \$22,956	(\$11,707) \$23,414	(\$11,941) \$23,882	(\$12,180) \$24,360	\$117,118
Laboratory fees	\$500	\$500	\$500	\$500	\$500	
Reservation Fee*	\$250	\$250	\$250	\$250	\$250	NA*
Experiential Fees**	Service Learning Africa \$3,600	Global Nutrition in Brazil \$4,995	PRISM Capstone Jamaica \$2,000	Research Abroad \$TBD		Varies
In-State Total	\$16,742	\$17,807	\$15,486			
Out-of-State Total	\$23,006	\$18,307	\$25,914	\$24,382	\$24,860	

*Fee applied toward tuition

**Students are required to participate in at least one study abroad experience before graduation while in the Dietetics and Accelerated BS-MS program.

(\$) Estimated costs per semester

Grants

Faculty in the department have various grants that help provide support for graduate students. We are also submitting grants to provide fellowships and stipends to students interested in nutrition and dietetics.

Other

There are no anticipated additional revenue sources associated with establishing the graduate program.

References

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Appendix A Letters of Support

Accreditation Council for Education in Nutrition and Dietetics

the accrediting agency for the
 Academy of Nutrition
and Dietetics

**ACEND® Board of Directors
2022-2023**

February 10, 2023

Chair
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Vice-Chair
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Judith Kaplan, MS, RD, LD

Coordinated Program in Dietetics Representative
Wanda Koszewski, PhD, RD, LD, FAND

Didactic Program in Dietetics Representatives
Melinda Anderson, PhD, RDN, LDN
Kendra Kattelmann, PhD, RDN, LN, FAND

Dietetic Internship Program Representatives
Constance Francis, PhD, RD
Crystal Wynn, PhD, MPH, RD

Program Administrator Representative
Nina L. Roofe, PhD, RDN, LD, FAND

Program Representative at Large
Jennifer Tomesko, DCN, RD, CNSC

Practitioner Representatives
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Michelle Palumbo, NDTR

Student Representative
Michelle Evans

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Anita C. Reinhardt, PhD, RN
Shawna L. Strickland, PhD, CAE, RRT, -NPS, RRT-
ACCS, AE-C, FAARC

Executive Director
Rayane AbuSabha, PhD, RD

Veronica J. Oates, PhD, RDN, LDN
Director, Graduate Program
Tennessee State University
3500 John A. Merritt Blvd
Nashville, Tennessee 37209

Dear Dr. Oates:

This letter is to advise you of the action of the Accreditation Council for Education in Nutrition and Dietetics (ACEND®) Board regarding the proposed Graduate Program at Tennessee State University. During its January 25-27, 2023 meeting, the ACEND Board voted to defer the decision to grant Candidacy for Accreditation to the program because of insufficient evidence of compliance with the accreditation standards.

While the ACEND Board appreciates the efforts of the program to meet the requirements of the ACEND Accreditation Standards, additional information is needed to demonstrate compliance with the Accreditation Standards. For more information about this decision and a description of the additional information the program needs to provide, see the attached Accreditation Action Report.

If you have any questions, please contact Laurie Kruzich at 800-877-1600 ext. 4874 or lkruzich@eatright.org.

Sincerely,



James Swain, PhD, RD, LD, FAND, Vice-Chair
Accreditation Council for Education in Nutrition and Dietetics

JS/jj

Attachment: Accreditation Action Report

cc: Glenda Glover, PhD, JD, CPA, President
Adrienne Frame, CGFM, Executive Director for Budget and Fiscal
Affairs
Michael Harris, Ph.D., Interim Provost and Vice President for
Academic Affairs
Chandra Reddy, PhD, Dean of College of Agriculture
Laurie Kruzich, MS, RDN, LD, ACEND Manager

ACCREDITATION ACTION REPORT

ACEND Decision: Defer the decision to grant Candidacy for Accreditation pending the submission of additional information.

Decision Date: January 27, 2023

Rationale: The decision was based on the review of the additional information submitted by the program. The program has demonstrated efforts to meet the Accreditation Standards, but additional information is needed to determine compliance with the ACEND Standards and Required Elements.

Additional Materials Needed: The ACEND Board requests that the program provide additional information providing evidence that the program is in compliance with the Future Education Model Accreditation Standards. Comments identifying the specific Standards with which the program has not documented compliance follow.

Standard 1: Program Characteristics and Resources, Required Element 1.1

The program provided an update on the institutional and state approval process of the new program. The program will be on the Tennessee State University Board of Trustees' agenda on March 16, 2023. The program provided an outline of the subsequent steps for approval by the Tennessee Higher Education Commission (THEC). No specific timeline was provided regarding the approval through THEC. Additional evidence is needed regarding the status of the final program approval from the THEC. Once approval is granted, the program must notify ACEND as soon as possible.

If you wish to continue to pursue Candidacy for Accreditation of the program, you must respond to the detailed comments with evidence that the program is in compliance with the Accreditation Standards. Please submit your response in PDF format via DocuWare no later than **September 15, 2023** for review at an upcoming ACEND Board meeting using the instructions below. If you do not meet this deadline or the program is unable to receive final approval by the State, the Candidacy application on file will be terminated.

Instructions for Submitting an ACEND Report in DocuWare

When you are ready to submit your report, here are steps for accessing the ACEND Program Report submission form:

- 1) Click on this link: [ACEND Program Report submission form](#)
- 2) Use the following information to fill out the online form:

Program ID	86170653
Document Type	Additional Materials
Program Name	Tennessee State University
Program Type	Graduate Program
Program City	Nashville
Program State	Tennessee

- 3) Upload your report using the upload box at the bottom of the page
- 4) Click "Submit". Once your submission is approved, you will receive an email from ACEND staff acknowledging the receipt of your report.

Accreditation Council for Education in Nutrition and Dietetics

the accrediting agency for the
 Academy of Nutrition
and Dietetics

**ACEND® Board of Directors
2022-2023**

November 4, 2022

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Vice-Chair
Long Wang, MD, PhD, RDN, FAND

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Judith Kaplan, MS, RD, LD

Coordinated Program in Dietetics Representative
Wanda Koszewski, PhD, RD, LD, FAND

Didactic Program in Dietetics Representatives
Melinda Anderson, PhD, RDN, LDN
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Anita C. Reinhardt, PhD, RN
Shawna L. Strickland, PhD, CAE, RRT, -NPS, RRT-
ACCS, AE-C, FAARC

Executive Director
Rayane AbuSabha, PhD, RD

Veronica J. Oates, PhD, RDN, LDN
Director, Graduate Program
Tennessee State University
3500 John A. Merritt Blvd
Nashville, Tennessee 37209

Dear Dr. Oates:

This letter is to advise you of the action of the Accreditation Council for Education in Nutrition and Dietetics (ACEND®) Board regarding the Future Education Model Graduate Program at Tennessee State University. During its recent meeting, the ACEND Board made an accreditation decision based on your program's self-study report, site visit, candidacy teach-out plan and program response. See the attached Accreditation Action Report for the status of this decision.

Programs are required to notify ACEND of any substantive changes to the program that have the potential for affecting the accreditation status of the program. Guidelines for requesting substantive changes are posted on the ACEND website: [Substantive Program Change Guidelines](#)

Thank you for your interest and support of nutrition and dietetics education. If you have any questions, please contact Laurie Kruzich at 800-877-1600 ext. 4874 or lkruzich@eatright.org.

Sincerely,



James Swain, PhD, RD, LD, FAND, Vice-Chair
Accreditation Council for Education in Nutrition and Dietetics

JS/jj

Attachment: Accreditation Action Report

cc: Glenda Glover, PhD, JD, CPA, President
Adrienne Frame, CGFM, Executive Director for Budget and Fiscal
Affairs
Michael Harris, Ph.D., Interim Provost and Vice President for
Academic Affairs
Chandra Reddy, PhD, Dean of College of Agriculture
Nicole Klem, MS, RD, Program Reviewer
Roseann Hoeye, MBA, RD, LD, Program Reviewer
Laurie Kruzich, MS, RDN, LD, ACEND Manager

ACCREDITATION ACTION REPORT

Program Name and Type: Tennessee State University Graduate Program

Accreditation Action:

Defer the decision to grant Candidacy for Accreditation for the Future Education Module Graduate Program (GP) pending the submission of additional information.

Decision Date: October 24, 2022

Rationale:

The decision was based on a peer review of the self-study report, site visit report, teach-out plan and your program's response to the site visit report. The program had demonstrated efforts to meet the ACEND Future Education Model Graduate Program Accreditation Standards, but it is unclear if compliance is being achieved; therefore, the Board has deferred their accreditation decision until additional information has been provided.

Areas to Address:

The ACEND Board requests that the program submit additional information providing evidence that the program is in compliance with the Graduate Program Accreditation Standards:

Standard 1: Program Characteristics and Resources, Required Element 1.4

The program provided a narrative and a letter from the Tennessee State University (TSU) Board of Trustees that states the TSU Board of Trustees will meet on September 15, 2022 where the Graduate Program will be reviewed for approval. If approved the program will go before the Tennessee Higher Education Commission for a vote in November 2022 and if changes are needed will go to a January 2023 meeting. The program must provide evidence that the program has been approved by the Tennessee State University Board of Trustees and the Tennessee Higher Education Commission. This information was previously noted under Standard 1, Required Element 1.1; however, this evidence is needed to document compliance with Standard 1, Required Element 1.4.

Standard 6: Supervised Practice Sites, Required Element 6.1

The program provided an updated handbook clarifying that students are placed in the Supervised Experiential Learning (SEL) sites by the GP program director, honoring student requests when applicable. The program response narrative details the process for maintaining agreements; however, a specific policy including the maintenance of this process was not provided. The program must provide a written policy outlining the process for issuance and maintenance of written agreements.

Standard 7: Information to Prospective Students and the Public, 7.3a

The program provided a draft website that included the proposed accreditation status; however, the address, phone number and website for ACEND were not included. The program must provide an updated draft website of the program's homepage that includes the ACEND contact information including address, phone and website.

Additional Information Required:

Yes: Due Date: **December 15, 2022** Refer to the attached instructions for submitting the report. (The program will be charged a \$200.00 late fee if the report is submitted after the due date.)

Instructions for Submitting an ACEND Report in Docuware

When you are ready to submit your report, here are steps for accessing the ACEND Program Report submission form:

- 1) Click on this link: [ACEND Program Report submission form](#)
- 2) Use the following information to fill out the online form:

Program ID	86170653
Document Type	Additional Materials
Program Name	Tennessee State University
Program Type	Graduate Program
Program City	Nashville
Program State	Tennessee

- 3) Upload your report using the upload box at the bottom of the page
- 4) Click "Submit". Once your submission is approved, you will receive an email from ACEND staff acknowledging the receipt of your report.

AE3 (Aspire to Educate, Empower, Encourage)

Non-Profit Corporation

1705 Rivergate Meadows Drive
Goodlettsville, Tennessee 37072

May 20, 2023

Dr. Veronica J. Oates
Department of Human Sciences
College of Agriculture
Tennessee State University
3500 John A. Merritt Blvd Box 9598
Nashville, TN 37209-1561

Dear Dr. Oates,

Please let me extend my support of the proposed graduate program in Human Sciences. It is much needed to provide training for the next generation of [FCS, nutrition or dietetic] professionals in both academic, federal, and private agencies. I have never seen more challenges and opportunities in these areas in my twenty plus years of experience as a Community Health Education professional. I think that having a MS degree in Human Sciences and offering graduate certificates in Community Nutrition, Food Safety & Emergency Preparedness, and Policy, Systems, and Environmental Change is needed to meet the current and future needs of our communities.

With the advancement of technologies, having online graduate programs can provide affordable and accessible advanced education opportunities for working individuals. In-depth knowledge and skills in human development, nutrition, systems, and environmental change, or emergency preparedness are critically needed. The endeavor that Tennessee State University is considering in establishing a MS program focusing on Human Sciences is going to further provide the advanced learning opportunity to the student with the ambition to excel in their career path.

At AE3, we offer positions that require MS degrees. Employees are encouraged to continue their education and employers are encouraged to support diversity in the workforce. The ability of Tennessee State University to help supply graduate-level training to professionals already in the workforce with additional transdisciplinary training aligns with many of our organization's goals. Therefore, I support the Department of Human Sciences' effort in establishing a MS program in Human Sciences with

concentrations in Family & Consumer Sciences, Human Nutrition, and Dietetics. I look forward to seeing such a program at Tennessee State University, referring potential students to the program, and identifying internship and job opportunities for the students in your program.

Sincerely,



Barbara J. Canada, D. Min., PhD, MSSW
CEO/Founder, AE3~Aspire to Educate -Empower-Encourage
Email: favoredandfocused3@gmail.com
Mobile: 865.202.0039



P.O. Box 487
Clarksville, TN 37041
(931) 896-1800
www.cmcaa.com

June 9, 2023

Dr. Veronica J. Oates
Department of Human Sciences
College of Agriculture
Tennessee State University
3500 John A. Merritt Blvd Box 9598
Nashville, TN 37209-1561

Dear Dr. Oates,

Please allow me to extend my support of the proposed graduate program in Human Sciences. It is considerably necessary to provide training for the next generation of Family & Consumer Science professionals in both the academic and federal area and private agencies. I have seen the challenges and opportunities in this area of 20+ years' experience as an Early Childhood Professional, with 3 years as the Head Start Program Director. I truly trust by having the means to complete a MS degree in Human Sciences and offering graduate certificates would help with the need to meet all current and future requirements of our growing communities.

Having online graduate programs will provide accessibility and affordable advanced education opportunities for those who are in the workforce. I truly believe with Tennessee State University taking into consideration to provide a MS program that focuses on Human Sciences, is going to provide countless advanced learning opportunities for the student to move forward in their career path.

Here at Clarksville Montgomery Community Action Agency, employees are encouraged to continue their education and support great diversity in the workforce. Tennessee State University along with this program will support not only a plethora of trainings for individuals, but will assist with our programs philosophy: Staff must be qualified, nurtured, encouraged and rewarded as they enhance their skills and educational levels to provide the quality services deserved by families and their children. I unanimously support the Department of Human Sciences' with establishing a MS program in Human Sciences with concentrations in Family & Consumer Sciences. I look forward to seeing such a program at Tennessee State University to refer potential students to this program and work along as a mentorship and job opportunities for students in your

program. As a Tennessee State Alumni, I look forward to excelling with an advanced degree such as this, which is truly encouraging.

Sincerely,

Paris Carnell

Paris Carnell – CMCCAA Head Start Program Director
Clarksville/Montgomery County Community Action Agency
pcarnell@cmccaa.com
931-896-1806



TENNESSEE STATE UNIVERSITY
College of Health Sciences
330 10th Avenue North, Suite D400
Nashville, TN 37209-1561
Phone: (615) 963-7367 • Fax: (615) 963-7011

***Public Health, Health Administration
and Health Sciences***

June 20, 2023

Dr. Veronica J. Oates
Department of Human Sciences
College of Agriculture
Tennessee State University
3500 John A. Merritt Blvd Box 9598
Nashville, TN 37209-1561

Dear Dr. Oates,

This letter is provided in support of the proposed graduate program in the Human Sciences. The expansion of the program to include master-level degrees is essential to supporting the professional workforce's need for leadership, especially in nutrition. This is true for positions within academic, government, and private agencies. Providing training for individuals who can serve at the local, state, and national public health levels is essential to the nation's future needs as more than 40% of the public health nutrition workforce is expected to retire within the next 5 years. These are just some of the challenges that I know of as a public health professional. With more than 25 years of experience in public health, we acknowledge the contributions of the nutrition sciences to support healthier outcomes across the disciplines. I know that an MS degree in Human Sciences and offering graduate certificates in Community Nutrition, Food Safety & Emergency Preparedness, and Policy, Systems, and Environmental Change are required for our communities to meet the needs of the public health workforce.

We are excited that you are considering on-line programming for working adults. Online graduate programs are both accessible and affordable educational opportunities for working adults already in public health careers. They contribute to providing the competencies needed for a workforce that is moving into leadership roles in areas such as Maternal & Child Health, Geriatric Sciences, and affordable options for many sectors of our populations. These programs that equip professionals with in-depth knowledge and skills in human development or nutrition or policy, systems, environmental change, or emergency preparedness are critically needed. Tennessee State University establishing a master's program in Human Sciences is a guaranteed contributor to learning opportunities for students seeking an academic experience that can propel their career path in public health and other disciplines.

I serve on the Consortium of African American Public Health Programs (CAAPHP) as vice-president of the association. We represent 15 HBCUs that support the diversity and equity of a public health workforce. CAAPHP acknowledges the need for employers to continue to increase diversity and inclusion at every level of public health. The addition of your master level programming will allow Tennessee State University to help supply graduate-level training to professionals already in the workforce with additional transdisciplinary training aligns with many of CAAPHP's vision. I support the Department of Human Sciences' effort in establishing a MS program in Human Sciences with concentrations in Family & Consumer Sciences, Human Nutrition, and Dietetics. Such a program at TSU is an essential component of providing career opportunities for students within your program.

Sincerely,

***Cardio-Respiratory Care Sciences • Dental Hygiene • Health Administration and Health Sciences
Health Information Management • Occupational Therapy • Division of Nursing
Physical Therapy • Public Health • Speech Pathology and Audiology • Human Performance and Sports Science***

A handwritten signature in black ink, appearing to read 'W. Inman', with a stylized, sweeping flourish extending to the right.

Wendelyn Inman, Ph.D.
Interim Public Health Program Director
Vice-President of CAAPHP



Ascension

May 19, 2023

Dr. Veronica J. Oates
Department of Human Sciences
College of Agriculture
Tennessee State University
3500 John A. Merritt Blvd Box 9598
Nashville, TN 37209-1561

Dear Dr. Oates,

Thank you for the timely updates regarding development of graduate programs in Human Sciences. I am honored to express support for this training. Our community will need leaders with Master's Degrees in Human Sciences or Graduate Certificates in Community Nutrition, Food Safety & Emergency Preparedness, or Policy, Systems, and Environmental Change to address challenges we face keeping people safe and healthy.

Online graduate programs will provide a more flexible, affordable and accessible educational opportunity for already working in these areas. By offering such pathways, Tennessee State University will advance learning opportunities and allow these individuals to continue to serve their communities, benefiting those they serve with a more in-depth knowledge of their professions.

Ascension Saint Thomas Midtown (ASTM), the largest non-profit community hospital in Middle Tennessee, where I have worked thirty years, as a clinician and manager of clinical dietitians, is constantly trying to address the challenges of natural disaster, pandemic responses, and general well-being of our community. Our future will need highly trained individuals to address these issues as well as currently unknown problems that may negatively impact the health and well-being of the people we serve.

ASTM Clinical Nutrition Services offers positions that will require MS degrees; clinicians are encouraged to continue their education. An on-line graduate program through Tennessee State University will provide an opportunity to continue employment while seeking advanced training that aligns with Ascension's goals. I fully support the Department of Human Sciences' effort to establish a MS program in Human Sciences with concentrations in Family & Consumer Sciences, Human Nutrition, and Dietetics. I look forward to seeing this program at TSU, referring potential students to the program, and identifying internship and job opportunities for the students in your program. Please let me know how I can support this valuable opportunity.

Sincerely,

Chrystie Turner | TouchPoint | RD, LDN
OutPatient Oncology Dietitian | Saint Thomas Midtown & Saint Thomas West | o. 615-284-1201
compassion at every point of human contact



May 20, 2023

Dr. Veronica J. Oates
Department of Human Sciences
College of Agriculture
Tennessee State University
3500 John A. Merritt Blvd Box 9598
Nashville, TN 37209-1561

Dr. Oates,

Please let me extend my support to the proposed graduate program in Human Sciences. I believe it is much needed to provide training for the next generation of professionals in family and consumer sciences, human nutrition, and dietetics, both academic federal, and private agencies. I have never seen more challenges and opportunities in these areas in my twenty years of experience as a Marketing Professor. I think having a Master of Science degree in Human Sciences and offering graduate certificates in Community Nutrition, Food Safety & Emergency Preparedness, and Policy, Systems, and Environmental Change is needed to meet our communities' current and future needs.

With the advancement of technologies, having online graduate programs can provide affordable and accessible advanced education opportunities for professionals. In-depth knowledge and skills in human development and environmental change are critically needed. The endeavor that Tennessee State University Department of Human Sciences is considering in establishing a Master of Sciences program focusing on Human Sciences is going to further provide the advanced learning opportunity to students with the ambition to excel in their career path.

Therefore, I support the Department of Human Sciences' effort to establish a Master of Science program in Human Sciences with concentrations in Family & Consumer Sciences, Human Nutrition, and Dietetics. I look forward to seeing such a program at Tennessee State University, referring potential students to the program, and identifying internship and job opportunities for the students in your program.

Sincerely,

Vaidas Lukosius

Dr. Vaidas Lukosius
Associate Professor of Business Administration – Marketing
College of Business
Tennessee State University



Nashville General Hospital

August 7, 2023

Veronica J. Oates, PhD, RDN, LDN
Department Chair
Department of Human Sciences
Tennessee State University

Dear Dr. Oates:

This letter extends Nashville General Hospital's commitment to support the proposed Master's of Science program in Nutrition and Wellness. We agree to partner with your department to provide students in the Department of Human Sciences the opportunity to gain hands-on experiences in nutrition in a clinical, culinary, and community setting served by the hospital.

Nashville General Hospital remains committed to helping students advance their knowledge and skills by offering internship opportunities in the hospital's food pharmacy as well as the Nutrition Services Department of the hospital. Nashville General Hospital welcomes feedback from the students by way of ongoing evaluative commentary on the students' educational experience to constantly improve on the quality of internship rotations at the hospital. As a proud alum of Tennessee State University, I know the program will produce food and dietetic professionals equipped to alleviate disease and promote health through nutrition.

If you need any additional information, please feel free to contact me.

Sincerely,

Joseph Webb, D.Sc., MSHA, FACHE
Chief Executive Officer

Appendix B THEC Financial Projections Form

Tennessee Higher Education Commission
Appendix A: THEC Financial Projections Form
Tennessee State University
Master of Science Degree Programs in the Department of Human Sciences

Seven-year projections are required for doctoral programs.
Five-year projections are required for baccalaureate and Master's degree programs
Three-year projections are required for associate degrees and undergraduate certificates.
Projections should include cost of living increases per year.
Planning year projections are not required but should be included when appropriate.

	Planning Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
I. Expenditures								
A. One-time Expenditures								
New/Renovated Space ¹	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Library	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Consultants	\$ 4,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total One-time	\$ 4,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
B. Recurring Expenditures								
Personnel								
Administration								
Salary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Faculty								
Salary	\$ -	\$ 25,000	\$ 25,750	\$ 26,523	\$ 27,319	\$ 28,139	\$ -	\$ -
Benefits	\$ -	\$ 8,750	\$ 9,013	\$ 9,283	\$ 9,562	\$ 9,849	\$ -	\$ -
Sub-Total Faculty	\$ -	\$ 33,750	\$ 34,763	\$ 35,806	\$ 36,881	\$ 37,988	\$ -	\$ -
Support Staff								
Salary	\$ -	\$ -	\$ 14,420	\$ 14,853	\$ 15,299	\$ 15,758	\$ -	\$ -
Benefits	\$ -	\$ -	\$ 5,047	\$ 5,198	\$ 5,355	\$ 5,515	\$ -	\$ -
Sub-Total Support Staff	\$ -	\$ -	\$ 19,467	\$ 20,051	\$ 20,654	\$ 21,273	\$ -	\$ -
Graduate Assistants								
Salary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tuition and Fees* (See Below)	\$ -	\$ 54,000	\$ 92,500	\$ 152,000	\$ 175,500	\$ 200,000	\$ -	\$ -
Sub-Total Graduate Assistants	\$ -	\$ 54,000	\$ 92,500	\$ 152,000	\$ 175,500	\$ 200,000	\$ -	\$ -
Operating								
Travel	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	\$ -
Printing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ 7,100	\$ 2,680	\$ 2,680	\$ 2,680	\$ 2,680	\$ -	\$ -
Sub-Total Operating	\$ -	\$ 8,100	\$ 3,680	\$ 3,680	\$ 3,680	\$ 3,680	\$ -	\$ -
Total Recurring	\$ -	\$ 95,850	\$ 150,410	\$ 211,537	\$ 236,715	\$ 262,941	\$ -	\$ -
TOTAL EXPENDITURES (A + B)	\$ 4,000	\$ 95,850	\$ 150,410	\$ 211,537	\$ 236,715	\$ 262,941	\$ -	\$ -

*If tuition and fees for Graduate Assistants are included, please provide the following information.

Base Tuition and Fees Rate	\$ 18,000.00	\$ 18,500.00	\$ 19,000.00	\$ 19,500.00	\$ 20,000.00	\$ -	\$ -
Number of Graduate Assistants	3	5	8	9	10	-	-

	Planning Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
II. Revenue								
Tuition and Fees ²	\$ -	\$ 88,140	\$ 146,900	\$ 235,016	\$ 264,393	\$ 293,770	\$ -	\$ -
Institutional Reallocations ³	\$ 4,000	\$ -	\$ 3,510	\$ (23,479)	\$ (27,678)	\$ (30,829)	\$ -	\$ -
Federal Grants ⁴	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Private Grants or Gifts ⁵	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other ⁶	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BALANCED BUDGET LINE	\$ 4,000	\$ 88,140	\$ 150,410	\$ 211,537	\$ 236,715	\$ 262,941	\$ -	\$ -

Notes:

(1) Provide the funding source(s) for the new or renovated space.

We are working on a fundraising and grant writing campaign to secure funding to update and renovate the laboratories.
We project being able to do renovations based on tuition by year 3 if no other funding is allocated to update the laboratories.

(2) In what year is tuition and fee revenue expected to be generated? Tuition and fees include maintenance fees, out-of-state tuition, and any applicable earmarked fees for the program. Explain any differential fees.

Tuition and fees will be generated starting in year 1.
Projections are based on half in-state and half out-of-state tuition enrollment numbers.
Students in the Dietetics concentration are assessed a non-refundable reservation/program \$125 program fee each fall/spring semester.

(3) Identify the source(s) of the institutional reallocations, and grant matching requirements if applicable.

Some funds will come from external grants. We anticipate having an inaugural class of 6 students with estimates of 3 in-state and 3 out-of-state tuition and fees.

(4) Provide the source(s) of the Federal Grant including the granting department and CFDA(Catalog of Federal Domestic Assistance) number.

Grant proposals are being prepared for submission to provide graduate funding for students. Students will start the graduate program in year 4.
A capacity building grant was submitted to USDA in 2023.

(5) Provide the name of the organization(s) or individual(s) providing grant(s) or gift(s).

USDA-National Institute of Food and Agriculture

(6) Provide information regarding other sources of the funding.

We are requesting support from the dean of our college to help in securing funding for building renovations, hiring of faculty, and recruitment of students for the program.
Dean Reddy allocates funding received by Evans Allen and Cooperative Extension and is at his discretion as it is part of the Dean's budget.
The dean has used this funding to support graduate Research Assistantships (GRAs) annually in the Department of Agriculture and Environmental Sciences.

Appendix C TSU Accreditations and Memberships

- https://www.tnstate.edu/academic_affairs/accreditations.aspx

Website link to Tennessee State University's Accreditations and Memberships

The screenshot shows the Tennessee State University website. The browser address bar displays [tnstate.edu/academic_affairs/accreditations.aspx](https://www.tnstate.edu/academic_affairs/accreditations.aspx). The page header includes the university logo and navigation links such as 'Academics', 'Admissions & Financial Aid', 'Student Life', 'Support TSU', 'Research', and 'Athletics'. A banner image shows a building with a dome. Below the banner, the text 'Division of Academic Affairs' is visible. The main content area is titled 'Accreditations and Memberships' and features a laptop displaying a 'MEMBERSHIP' login form. Text on the page states: 'Tennessee State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, master's, education specialist, and doctoral degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Tennessee State University.' Below this, there is a section for 'Program Accreditations' listing 'College of Agriculture' and 'Family and Consumer Sciences'.

- https://sacscoc.org/institutions/?institution_name=tennessee+state+university&results_per_page=25&curpage=1&institution=0011N00001h9EGQA2

Website link and screenshot of U.S. institutional accrediting body and the institution's current accreditation status.

[Back to Results](#)

Tennessee State University

As of 1/5/2022
 Former Name: Tennessee A. & I. State College (1946 - 1951); Tennessee A. & I. State University (1951 - 1968)

The information on this page describes the accreditation relationship between this institution and the Southern Association of Colleges and Schools Commission on Colleges. General information about the Commission and the accreditation process is provided at the end of this document. In addition, links to definitions are provided for many of the terms used.

General Information

- + **CEO Name**
Dr. Glenda Baskin Glover
- + **Address**
3500 John A. Merritt Boulevard
Nashville, TN 37209-1561
- + **Country**
United States
- + **Institutional Phone**
(615) 963-5000
- + **Approved to Offer**
Associate's Degree
Baccalaureate Degree
Master's Degree
Education Specialist Degree
Doctoral Degree
- + **View Available Programs**
- + **View Student Achievement Data**

Accreditation Information

- + **Status**
Accredited
- + **Public Sanctions**
- + **Candidacy Date**
- + **Accreditation Granted**
01/01/1946
- + **Reaffirmation**
2021
- + **Distance Education Approval Date**
12/05/2003
- + **Next Reaffirmation**
2030
- + **Next Fifth-Year Review**
2026
- + **Degree Level**
VI
- + **Control**
Public

SACSCOC Staff Member

Crystal Baird
 (404) 994-6576 [Email](#)

Institution Search

Institution Name

State

Highest Degree Offered

Next Reaffirmation Year

Institutions

- [Institutions](#)
- [Accreditation Actions and Disclosures Statements](#)
- [Third Party Comments](#)

Resources

- [Common Names versus Official Names Guide](#)
- [Name Change Cross Reference List](#)
- [Accredited and Candidate List](#)

Appendix D TSU Organization Chart



Appendix E Faculty Curriculum Vitae

BIOGRAPHICAL SKETCH			
NAME Fur-Chi Chen Ph.D. Certified Food Scientist (CFS)		POSITION: DEPARTMENT: COLLEGE: UNIVERSITY:	Research Professor, Food Science Human Sciences College of Agriculture Tennessee State University
EDUCATION			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Chung Shan Medical & Dental College, Taiwan	B.S.	1987	Nutrition
University of Wisconsin-Stout	M.S.	1994	Food Science
Auburn University	Ph.D	1998	Food Science
RESEARCH AREAS:	Biosensors for detection of foodborne pathogens Microbial contamination during cold storage of food Safety and regulations of TSE agents (Prion) in food and animal feed products		

A. Contact Information: ADDRESS: 3500 John A. Merritt Blvd., Nashville TN, 37209-1561
 CAMPUS OFFICE: CARP Building, Room 111-B
 PHONE: (615) 963-5410 FAX: (615) 963-1557
 EMAIL: fchen1@tnstate.edu

B. Positions and Honors:

Positions:

Research Professor - Department of Human Sciences
 College of Agriculture, Tennessee State University
 08/2015 – Present

Research Associate Professor - Department of Family and Consumer Sciences
 College of Agriculture, Human, and Natural Sciences, Tennessee State University
 08/2006 – 07/2015

Research Assistant Professor - Institute of Agricultural & Environmental Research
 Tennessee State University
 07/2003 – 07/2006

Associate Investigator - Cooperative Agriculture Research Program
 Tennessee State University
 03/2002 – 07/2003

Research Fellow - Department of Nutrition and Food Science
 College of Human Sciences
 Auburn University 07/1998 - 03/2002

Teaching:

NUFS- 4500 - Senior Project
 NUFS-3110 - Experimental Foods

AGSC-4460 - Food Chemistry
NUFS-2110 - Elementary Nutrition
NUFS-1110 - Food Principles and Meal Management

Services:

- National Advisory Committee on Meat and Poultry Inspection (NACMPI), 2010-2014
- Panelist, USDA/NRI Competitive Grant, Food Safety Program, 2006, 2008
- Reviewer, USDA/SBIR Competitive Grant, Animal Production and Protection, 2006-2013
- President, Chinese American Food Society, 2009-2010
- Reviewer, Journal of Food Science, Journal of Food Processing and Preservation, Journal of AOAC International

Awards/Honors:

- Distinguished Research Scientist Award, IAgER, Tennessee State University, 12/2007
- Faculty Research Award, Tennessee State University, 04/2007
- Winner, First Place, Scientist Poster Competition for Emerging Technology, ARD, 04/2006

C. Selected refereed publications:

- Bhandari, D., Chen, F. C., Hamal, S., & Bridgman, R. C. 2019. Kinetic Analysis and Epitope Mapping of Monoclonal Antibodies to Salmonella Typhimurium Flagellin Using a Surface Plasmon Resonance Biosensor. *Antibodies* 8(1):22.
- Chen, F. C., Godwin, S., Green, A., Chowdhury, S., & Stone, R. 2018. Prevalence of Salmonella, Campylobacter, and Shiga Toxin–Producing Escherichia coli on the Surfaces of Raw Poultry Packages. *J. Food Prot.* 81(10):1707-1712.
- Chen, F.C., S. L. Godwin, D. Chambers, E. Chambers IV, S. Cates, R. Stone, and A. Donelan. 2018. Contamination by Meat Juice When Shopping for Packages of Raw Poultry. *J. Food Prot.* 81(5):835-841
- Chen, F.C., Godwin, S.L., and Chambers, E. 2016. An Immunoassay for Quantification of Contamination by Raw Chicken Juice on Food Contact Surfaces. *Journal of Food Protection* 79(11):1971-1976
- Chen, F.C., Zhou, S., Nahashon, S., and Bridgman, R.C. 2016. Detection of Salmonella and Campylobacter in chicken rinse water using a surface plasmon resonance sensor. In “Microbes in the spotlight: recent progress in the understanding of beneficial and harmful microorganisms” (pp186-190). A. Mendez-Vilas (Ed.), Brown Walker Press, Boca Raton, FL
- Zhou, S., Bhatti, S., Wei, S., and Chen, F.C. 2016. Organic strawberry production in Tennessee, USA, and areas of comparable climate in China. In Nandwani, Dilip (Ed.), *Organic Farming for Sustainable Agriculture* (pp37-69). New York, NY: Springer.
- Bohannon-Stewart, A., Kelley, G., Kimathi, B., Subramanya, S., Donkor, J., Darris, C., Tyus, J., Payne, A., Byers, S., Hui, D., Nahashon, S., Chen, F.C., Ivy, M., and Wang, X. 2014. Expression of potential regulatory genes in abdominal adipose tissue of broiler chickens during early development. *Genetics Research International*, Volume 2014, p1-10.
- Chen, F.C., and Godwin, S.L. 2012. The bacteria content of bagged, pre-washed greens as related to the best if used by date. *J. Food Dist. Res.* 42(3): 1-6.
- Godwin, S.L., and Chen, F.C. 2012. Microbiological quality of packaged lunchmeat as related to the sell-by-date. *J. Food Dist. Res.* 42(3): 13-18.
- Kilonzo-Nthenge, A., Rotich, E., Godwin, S.L. Nahashon, S., Chen, F.C. 2012. Prevalence and antimicrobial resistance of Cronobacter sakazakii isolated from domestic kitchens in middle Tennessee, United States. *J. Food Prot.* 75(8): 1512-1517.

D. Recent conference presentations:

- Fur-Chi Chen, Sandria Godwin, Delores Chambers, Edgar Chambers IV, Sheryl Cates, Richard Stone and Amy Donelan. Relationship between Shopping Practices and Contamination by Meat Juice from Raw Poultry Packages. P1-73. International Association for Food Protection Annual Meeting, Salt Lake City, Utah, July 8-11, 2018.
- Fur-Chi Chen and Bhandari, D. Detection and characterization of Salmonella based on kinetics of monoclonal antibody-antigen reactions, Institute of Food Technologists Annual Meeting, Las Vegas, June 26, 2017
- Fur-Chi Chen and Roger Bridgman. Magnetic Nanoparticles-Enhanced Biosensor for the Detection of Campylobacter spp. in Raw Poultry Products. Session P2-206. International Association for Food Protection Annual Meeting, Tampa, FL, July 9-12, 2017.
- Fur-Chi Chen, Sandria Godwin, and Marian Wakefield. Persistence of Campylobacter in Chicken Meat Juice on the Contaminated Kitchen Surfaces, Institute of Food Technologists Annual Meeting, Chicago, IL, July 16-19, 2016
- Fur-Chi Chen and Devendra Bhandari. Immunochemical Fingerprint Analysis for Identification and Subtyping of Salmonella, Institute of Food Technologists Annual Meeting, Chicago, IL, July 16-19, 2016
- Fur-Chi Chen, Sandria Godwin, Richard Stone, Donald W. Schaffner, Angela Senger-Mersich, William Hallman. A survey of mislabeling of fish products purchased online. Session 048: Public Policy, Food Laws & Regulations, Institute of Food Technologists Annual Meeting, Chicago, IL, July 11-14, 2015
- Fur-Chi Chen, Sandria Godwin, Alex Frederick, Marian Wakefield, Himabindu Gazula. Survival of salmonella on the kitchen and food package surfaces contaminated with raw meat juice. P2-116. International Association for Food Protection Annual Meeting, Portland, OR, July 25-28, 2015
- Fur-Chi Chen, Sandria Godwin, Angela Green, Shahidullah Chowdhury, Richard Stone. Microbiological evaluation of poultry product packages from grocery stores in Nashville, Tennessee. P2-115. International Association for Food Protection Annual Meeting, Portland, OR, July 25-28, 2015
- Fur-Chi Chen, Suping Zhou, Samuel N. Nahashon and Roger C. Bridgman. Detection of Salmonella and Campylobacter in chicken rinse water using a surface plasmon resonance sensor. BioMicroWorld 2015, International Conference on Environmental, Industrial, and Applied Microbiology, Barcelona, Spain, October 28-30, 2015
- Fur-Chi Chen, Sandria Godwin, Richard Stone, Delores Chambers, Amy Donelan, Edgar Chambers, Sheryl Cates. Evaluation of Chicken Meat Juice on Hands, Chicken Packages and Contact Surfaces during and after Grocery Shopping, T9-10, International Association for Food Protection Annual Meeting, Indianapolis, IN, August 3-6, 2014
- Chen, Fur-Chi, Suping Zhou, Samuel N. Nahashon and Roger C. Bridgman. 2014. Development of an immunochemical fingerprint analysis for identification of Campylobacter. Institute of Food Technologist Annual Meeting, June 21-23, 2014, New Orleans, LA.
- Chen, F-C., Godwin, S.L., Frederick, A., and Stone, R. 2013. Consumer storage practices and their impacts on microbial safety of home refrigerated foods. International Association for Food Protection Annual Meeting, July 28–31, Charlotte, NC
- Chen, F-C., Godwin, S.L., and Bridgman, R. 2013. Immunoassay for the detection of raw meat contamination on hands and food contact surfaces. Institute of Food Technologists Annual Meeting, July 13-16, Chicago, IL
- Chen, F-C., Godwin, S.L., Frederick, A., and Stone, R. 2013. Consumer Storage Practices and Their Impacts on Microbial Safety of Home Refrigerated Foods. International Association for Food Protection Annual Meeting, July 28–31, Charlotte, NC

Curriculum Vitae

NAME AGNES KILONZO-NTHENGE	POSITION TITLE ASSOCIATE PROFESSOR
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EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Auburn University, Auburn, Alabama	Ph.D.	2003	Food Sci. (microbiology)
Tuskegee University, Tuskegee, Alabama	MSc	1997	Plant Science
University of East African (Baraton), Kenya	BSc	1992	Agriculture

Positions and Employment

Associate Professor, July 2015 - present

Funded Research Support

Agnes Kilonzo-Nthenge, Richard Browning, J. Ricketts Ajit Mahapatra et al, (2020). Establishing Animal Health and Antimicrobial Stewardship Programs to Maximize Profitability of Small-Scale Ruminant Production Systems. USDA-NIFA-\$464,000.00. Project term: 2020-2023

Agnes Kilonzo-Nthenge, S. Nahashon, J. Ricketts et al, (2018). An Integrated Approach to Mitigate Antimicrobial Resistance and Establishing Stewardship Programs in Small and Medium-Sized Farms. USDA-NIFA-\$450,000.00. Project term: 2018-2021

Patras A., A. **Kilonzo-Nthenge**, S. Godwin et al, (2019) Advanced Ultraviolet Technologies for Inactivation of Bacterial Spores and Viral Pathogens in Beverages'. NIFA/ USDA. Amount funded: \$588,000. Project term: 2019-2022

Wu, Ying, S. Nahashon, Chen, Fur-Chi, A. **Kilonzo-Nthenge**, and Zhou, Huaijun (2019). Microencapsulation for Target Delivery of Antibiotic Alternatives to Enhance Poultry Performance. NIFA/ USDA. Amount funded: \$300,000. Project term: 2019-2022

Patras A., A. **Kilonzo-Nthenge**, S. Godwin et al, (2018). An Integrated Approach to Control Foodborne Bacterial, Viral, and Mycotoxins in High Risk Foods Using Ultraviolet Technologies. NIFA/USDA. Amount funded: \$500,000. Project term: 2018-2021

Hashem, F. S. ., **Kilonzo-Nthenge** et al. 2017. Fostering an Integrated Program on Food Safety of Fresh Produce among 1890s Institution (\$550,000, TSU sub-contract of **\$70,000.00**)

Fouladkhah, A., **Kilonzo-Nthenge**, A., & Ricketts, J. C. (2016). Building institutional capacity for assisting producers and processors in the new food safety regulatory landscape. USDA-NIFA-FSOCGP. -\$59,959.00

A. Kilonzo-Nthenge, Hashem, F, S. Nahashon, D. Pitchay, F. Tegegne, and J. Ricketts.(2015) Third Party Audits and Certification to Empower Small and Medium-sized Produce Growers in Tennessee and Maryland: USDA/NIFA. Amount funded: Project term: \$350,000. 2014-2017
Patras A., Wu, Ying, **A. Kilonzo-Nthenge**, S. Godwin, X. Hang, S. Vanderlaan, S. Gary, S. Michael. (2015) Innovation for Treatment of Liquid Foods to Eliminate Pathogenic Microbes and Toxins Using Low Wave-Length UV Irradiation. NIFA/USDA. Amount funded: \$500,000. 2015 -2019

Ashim Datta, R. Buchanan, R Moreira, Young, Yousef, David Way, I. Carmen, Moraru, **A. Kilonzo-Nthenge**, S. Anantheswaran.(2014). Enhancing Food Safety Education by Incorporating Simulation-Based learning. \$683,000. 2014- 2017

S. Godwin, E. Chamber, F. Cates, F. Chen, E. Chamber, **A. Kilonzo-Nthenge**, J. Ricketts, and S. Nahashon. (2012). Development and Evaluation of Science Messages to Improve Consumers' Storing, Handling, and Preparation of Poultry and Poultry Products. USDA/AFRI. Amount funded: \$2,224,883.00. 2012 – 2017

A. Kilonzo-Nthenge, S. Nahashon, D. Pitchay, F. Tegegne, and J. Ricketts. (2012). Enhancing Food Safety Knowledge of Small to Medium-sized Produce Growers in Tennessee and Illinois. USDA/NIFA. Amount funded: \$250,000.00. 2012-2015.

S. Godwin, F. Chen, and **A. Kilonzo-Nthenge**. (2012). Characterizing the Impact of Consumer Handling Practice on Persistence of Microbial Contaminants in Domestic Kitchens. USDA/CSREES. \$293,514.00. 2012 – 2015.

A. Kilonzo-Nthenge, S. Nahashon, J. Dunn and A. Peischel. (2011). Approach to control Clostridium Difficile from Limited Resource Poultry Farms. AFRI. Amount funded: \$100,000.00. 2011 - 2014

A. Kilonzo-Nthenge, S. Godwin, F. Chen. (2006). Characterizing Antibiotic Resistant Foodborne Pathogens in kitchens and retail foods. USDA/CSREES., \$299,213.00. 2006-2011

Selected Peer-reviewed Publications:

*Publication with * my student as first author*

*Liu S, **Kilonzo-Nthenge A**, Nahashon SN, Pokharel B, Mafiz A, Nzomo M. 2020. Prevalence of Multidrug-Resistant Foodborne Pathogens and Indicator Bacteria from Edible Offal and Muscle Meats in Nashville, Tennessee. *Foods*. 28;9(9): E1190. doi: <https://doi.org/10.3390/foods9091190>.

*Igbafe, J.; Kilonzo-Nthenge, A.; Nahashon, S.N.; Mafiz, A.I.; Nzomo, M. 2020. Probiotics and Antimicrobial Effect of *Lactiplantibacillus plantarum*, *Saccharomyces cerevisiae*, and *Bifidobacterium longum* against Common Foodborne Pathogens in Poultry. *Agriculture* 10(9), 368; <https://doi.org/10.3390/agriculture10090368>

Agnes Kilonzo-Nthenge and Siqin Liu. 2019. Antimicrobial efficacy of household sanitizers against artificially inoculated Salmonella on ready-to-eat spinach (*Spinacia oleracea*) *Journal of Consumer Protection and Food Safety* 4:105–112.

Kilonzo-Nthenge, Agnes; Ricketts, John C; Pitchay, Dharma. 2019. Good Agricultural Practices Training for Limited-Resource Produce Growers and Extension Educators. 56:7

Singh, Bhullar, Patras, A., **Agnes Kilonzo-Nthenge.**, Pokharel, B., Sasges, M. 2019. UV inactivation of bacteria and model viruses in coconut water using a collimated beam system. *Food Science and Technology International*, doi.org/10.1177/1082013219843395

Agnes K. Kilonzo-Nthenge, Siqin Liu, Susan Githua. 2018. Prevalence of *Enterobacteriaceae* on fresh produce and food safety practices in small-acreage farms in Tennessee. *Journal of Consumer Protection and Food Safety*. 3:279–287

Agnes Kilonzo-Nthenge, Siqin Liu, Sudheer Yannam, and Ankit Patras. 2018. Atmospheric Cold Plasma Inactivation of *Salmonella* and *Escherichia coli* on the Surface of Golden Delicious Apples. *Front. Nutr.* 1-8| <https://doi.org/10.3389/fnut.2018.00120>

Agnes Kilonzo-Nthenge, S, Nahashon, Siqin Liu, Ravneet Sandhu, and Kourtney Daniels. 2018. Multiple Antimicrobial Resistance of Extended Spectrum Beta-Lactamase-Producing *Escherichia coli* from Small-Scaled Poultry Farms and Retail Chicken. *Journal of Food and Eng.* 8:1-13.

Bhogoju S, Nahashon S, Wang X, Darris C, **Kilonzo-Nthenge A**. 2018 A comparative analysis of microbial profile of Guinea fowl and chicken using metagenomic approach. *PLoS ONE* 13(3): e0191029. <https://doi.org/10.1371/journal.pone.0191029>

Singh, Bhullar, Patras, A., **Agnes Kilonzo-Nthenge**, Yannam, S., Pokharel, B., Rakariyatham, K., Pan, C., Xiao, H., Sasges, M. (2018). Microbial inactivation and cytotoxicity evaluation of

UV irradiated coconut water in a novel continuous flow spiral reactor. *Food Res Int.*, 103:59-67. <https://doi.org/10.1177/1082013219843395>

Danielle M. Gunter-Ward, Ankit Patras, Manreet S. Bhullar, **Agnes Kilonzo-Nthenge**, Bharat Pokharel, Michael Sasges. 2018. Article Efficacy of ultraviolet (UV-C) light in reducing foodborne pathogens and model viruses in skim milk. *Journal of Food Processing and Preservation*, 42:2, e13485.

Gopisetty, V., Patras A., **Kilonzo-Nthenge**, Pendyala, B., A., Sasges M. (2018). UV-C Irradiation as an alternative treatment technique: Study of its effect on microbial inactivation, cytotoxicity, and sensory properties in cranberry-flavored water. *Innovative Food Science & Emerging Technologies* 52, 66-74

*Siqin Liu and A. **Kilonzo-Nthenge** (2017). Prevalence of Multidrug-Resistant Bacteria from U.S.-Grown and Imported Fresh Produce Retailed in Chain Supermarkets and Ethnic Stores of Davidson County, Tennessee. *Journal of Food Protection*, Vol. 80, No. 3, 2017, Pages 506–514 (**My student**)

Gopisetty, V., Patras A., Yannam, S., **Kilonzo-Nthenge**, A., Bansode, R. R., Vergne, M.J. (2017). Impact of UV-C irradiation on the quality, safety and cytotoxicity of cranberry flavored water using a novel continuous flow UV system. *LWT - Food Science and Technology* 95 (2018) 230–239

Kilonzo-Nthenge, S. Nahashon, S. Godwin, S. Liu, and D. Long (2016). Prevalence and Antimicrobial Resistance of *Enterobacteriaceae* in Shell Eggs from Small-Scale Poultry Farms and Farmers' Markets. *Journal of Food Protection: J. Food Prot.* 79:2031-2037.

Kilonzo-Nthenge, A., Brown, A., Nahashon, S. N., Long, D. 2015. Occurrence and Antimicrobial Resistance of Enterococci Isolated from Organic and Conventional Retail Chicken. *J. Food Prot.* 4: 636-858

A. Kilonzo-Nthenge, E. Rotich, and S. Nahashon. 2013. Evaluation of Drug-resistant *Enterobacteriaceae* in Retail Poultry and Beef. *Poult. Sci.* 92:1098-1107

A. Kilonzo-Nthenge, E. Rotich, S. Godwin, S. Nahashon, and F. Chen. 2012. Prevalence and Antimicrobial Resistance of *Cronobacter sakazakii* Isolated from Domestic Kitchens in Middle Tennessee, United States. *J. Food Prot* 75: 1512-1517

F. Chen, S. L. Godwin and, **A. Kilonzo-Nthenge**. 2011. Relationship between Cleaning Practices and Microbiological Contamination in Domestic Kitchens. *Food Protection Trends.* 31: 672–667

A. Kilonzo-Nthenge, E. Rotich, S. Godwin and T. Huang. 2009. Consumer Storage Period and Temperature for Peanut Butter and Their Effects on Survival of *Salmonella* and *Escherichia coli* O157:H7. *Food Protection Trends*, 29:787–792

A. Kilonzo-Nthenge, S. Nahashon, F. Chen, and N. Adefope. 2008. Prevalence and Antimicrobial Resistance of Pathogenic Bacteria in Chicken and Guinea Fowl. *Poult. Sci.*87:1841-1848

A. Kilonzo-Nthenge, F. Chen, and S. Godwin. 2008. Occurrence of *Listeria* and *Enterobacteriaceae* in Domestic Refrigerators. *J. Food Prot.* 71:608-612

Kilonzo-Nthenge, F. Chen, and S. Godwin. 2006. Efficacy of home washing methods in removing microbial contamination from the surface of fresh produce. *J. Food Prot.* 69:330-334

F. Chen, Y.-H. Hsieh, C. Bridgman, and **A. Kilonzo-Nthenge**. 2006. Kinetics of Tropomyosin Denaturation as a Predictive Model for Verifying Thermal Processing of Beef Products. *J. Food Prot.* 69: 2447-2453

Other publications-Abstracts

Agnes Kilonzo-Nthenge, S. Nahashon. 2019. Antimicrobial Susceptibility of Pathogenic and Indicator Bacteria from Edible Offal and Muscle Meat in Nashville, Tennessee. Poultry Science Association Annual Meeting Montréal, Québec, Canada July 15-18, 2019

A. Kilonzo-Nthenge. 2019. Incidence and Distribution Patterns of Antimicrobial Genes within Cattle and Poultry Farms. College of Agriculture, Tennessee State University, 3500 John A. Merritt Boulevard, Nashville, TN 37209. 2019 BIENNIAL RESEARCH SYMPOSIUM Jacksonville, Florida. March 29 – April 3, 2019

Winne. Mukuna and **A. Kilonzo-Nthenge**. 2019. Prevalence of antimicrobial resistance *Enterobacteriaceae* in plant-based milk. Land Grand Program, Tennessee state University, Nashville, TN 37209 and, College of Agriculture, Tennessee state University, Nashville, Tennessee 37209. 2019 BIENNIAL RESEARCH SYMPOSIUM Jacksonville, Florida. March 29 – April 3, 2019

S. Liu and **A. Kilonzo-Nthenge**. 2019. Prevalence and Antimicrobial Susceptibility of Pathogenic and Indicator Bacteria in Edible Offal and Muscle Meat Retailed in Nashville, Tennessee. S. Liu*, College of Agriculture, Tennessee State University. 2019 BIENNIAL RESEARCH SYMPOSIUM Jacksonville, Florida. March 29 – April 3, 2019

Siqin Liu, **Agnes Kilonzo-Nthenge**, Patras Ankit, and Sudheer Yannam. 2018. Cold Plasma Inactivation of *Escherichia coli* and *Salmonella* on Golden Delicious Apples. Book of Abstract/IAFP P3-179

Gopisetty, V., Patras A., Yannam, S., **Kilonzo-Nthenge**, A., Bansode, R. R., Vergne, M.J. (2018). Impact of UV-C irradiation on the quality, safety and cytotoxicity of cranberry flavored water using a novel continuous flow UV system. Book of Abstract/IAFP P1-28

S. Liu and A. Kilonzo-Nthenge. Prevalence of antibiotic resistant bacteria from Imported and Local Fresh Produce

A. Kilonzo-Nthenge., and D. Long. 2013. Reduction of Salmonella on Cucumbers by Washing in Thyme Oil and Thymol as Compared with Vinegar and Baking Soda. Book of Abstracts/IAFP P1-123

A. Kilonzo-Nthenge, E. Rotich, S. Godwin, and S. Nahashon. 2012. The spread of *Cronobacter Sakazakii* in Domestic Kitchens. Book of Abstract/IAFP P1-90.

A. Kilonzo-Nthenge, E. Rotich, and C. Thompson. 2011. Prevalence and Antimicrobial Resistance of *Enterobacteriaceae* in Animal Manure and Soil from Local Farms in Tennessee. Book of Abstract/ARD # P-FS-S-8

A Brown, **A. Kilonzo-Nthenge,** D. Long, and C. Thompson. 2011. Antimicrobial-resistance of Enterococcus in Convectional and Organic chicken. . Book of Abstract/ARD # O-FS-G-5

S. Godwin, C. Chen, A. Kilonzo-Nthenge, and R. Stone. 2011. Consumer Reported Handling Practices for Poultry in the Homes. Book of Abstract/ARD # P-FS-S-2

Book Chapters- Open access peer-reviewed

Agnes Kilonzo-Nthenge and Winnie Mukuna. 2018. *Salmonella* and Antimicrobial Resistance in Fresh Produce. ISBN: 978-1-78923-445-9.**DOI: 10.5772/intechopen.72894**

S. Nahashon and **A. Kilonzo-Nthenge** (2013). Soybean in monogastric nutrition: modifications to add value and disease prevention n properties, Soybean Bioactive Compounds, Hany El-Shemy (Ed.), ISBN: 978-953-51-0977-8

A. Kilonzo-Nthenge (2012). Gamma Irradiation for Fresh Produce, Gamma Radiation, Feriz Adrovic (Ed.), ISBN: 978-953-51-0316-5, InTech

S. Nahashon¹ and **A. Kilonzo-Nthenge**. 2011. Advances in Soybean and Soybean By-Products in Monogastric Nutrition and Health, Soybean / Book 5, ISBN 978-953-307-536-5

Extension publications

A. Kilonzo-Nthenge and D. Long. 2014. *Clostridium difficile*: Emerging pathogen TSU-14-0061 (A)-6a-13515

A. Kilonzo-Nthenge., and D. Long. 2013. Backyard Chicken Egg Safety (TSU-13-00733 (A)-6a-13515

A. Kilonzo-Nthenge, B. Seybert. Small Farm Digest. Food Safety Small Farmer. Volume 16: Summer 2013

A. Kilonzo-Nthenge., and D. Long. 2013. Antibiotic use on the farm (TSU-13-0075 (A)-6a-13515

A. Kilonzo-Nthenge., and D. Long. 2012. Food Safety: Safe Handling of Fresh Produce and Vegetables. TSU-12-0154(A)-13c-13515.

A. Kilonzo-Nthenge., E. Rotich, and S. Nahashon. 2011. Antimicrobial Resistance of Enterobacteriaceae isolated from Raw Retail Meats. Feedinfo. P1-9. <http://www.feedinfo.com/>

A. Kilonzo-Nthenge, S. Godwin, D. Long. 2011. Safe Handling of Raw Meats. Publication Number. TSU-10-0044(A)-14D-13515

Presentations

Agnes Kilonzo and Samuel Nahashon. 2019. Antimicrobial Susceptibility of Pathogenic and Indicator Bacteria from Edible Offal and Muscle Meat in Nashville, Tennessee. Poultry Science Association Montreal, Québec, Canada Page 258. From 15 July 2019 to 18 July 2019

A. Kilonzo-Nthenge, S. Liu, and S. Nahashon. 2019. Incidence and Distribution Patterns of Antimicrobial Genes within Cattle and Poultry Farms. 2019 BIENNIAL RESEARCH SYMPOSIUM. Jacksonville, Florida. March 29 – April 3, 2019

*Siqin Liu, **A. Kilonzo-Nthenge,** and S. Nahashon. 2019. Prevalence and Antimicrobial Susceptibility of Pathogenic and Indicator Bacteria in Edible Offal and Muscle Meat Retailed in Nashville, Tennessee. 2019 BIENNIAL RESEARCH SYMPOSIUM. Jacksonville, Florida. March 29 – April 3, 2019

Agnes Kilonzo-Nthenge, Fawzy Hashem, and Patricia Millner. 2019. Training Program for the 1890 Land Grant Universities' Extension educators who will assist growers to be compliant with Food Safety Modernization Act (FSMA) Produce Safety Rule (PSR). 2019 BIENNIAL RESEARCH SYMPOSIUM. Jacksonville, Florida. March 29 – April 3, 2019

*Vybhav Gopisetty, Ankit Patras, **Agnes Kilonzo-Nthenge,** Rishipal Bansode, Michael Sasges, Che Pan, Hang Xiao, T. 2018. Impact of UV-C Irradiation on the Safety and Cytotoxicity of Cranberry-flavored Water Using a Novel Continuous Flow UV. System — International Association of Food Protection (IAFP) Salt Lake City, Utah, July 8 July 11, 2018

Agnes Kilonzo-Nthenge. 2018. Extended Spectrum Beta-Lactamase-Producing Escherichia coli in Feed, Manure, and Soil from Poultry Farms Environment. — International Association of Food Protection (IAFP) Salt Lake City, Utah, July 8 July 11, 2018

*Winne Mukuna, **Agnes Kilonzo-Nthenge.** 2018. Prevalence of Antimicrobial-resistant Enterobacteriaceae and Survival of Salmonella and Escherichia coli in Plant-based Milk. International Association of Food Protection (IAFP) Salt Lake City, Utah, July 8 July 11, 2018.

*Siqin Liu, **Agnes Kilonzo-Nthenge.** 2017. Prevalence of Antibiotic Resistant Bacteria from Imported and Local Fresh Produce. Tennessee State University Wide Research Symposium. Nashville Tennessee. April 17-21, 2017.

*Joy Igbafe, **Agnes Kilonzo-Nthenge**, and Samuel Nahshon. 2017. Effects of *Sacchromyces cerevisiae* and *Bifidobacterium Longum* on Broiler Chicken Growth Performance in Poultry. Tennessee State University Wide Research Symposium. Nashville Tennessee. April 17-21, 2017.

*Comas Mwendwa, Ying Yu, F. Chen, and Agnes **Kilonzo-Nthenge**. 2017. Simultaneous Capsulation of Antibiotic Alternatives in Poultry Intestinal Tract. Tennessee State University Wide Research Symposium. Nashville Tennessee. April 17-21, 2017.

Siqin Liu, **Agnes Kilonzo-Nthenge**, Patras Ankit, and Sudheer Yannam. 2017. Cold Plasma Inactivation of *Escherichia coli* and *Salmonella* on Golden Delicious Apples. . International Association of Food Protection (IAFP) in Tampa Convention Center in Tampa, Florida. July 9 July 12

A. Kilonzo-Nthenge, Samuel Nahashon, Sandria Godwin, Edgar Chambers, and Sheryl Cates. 2016. Occurrence and Antimicrobial Resistance of *Enterobacteriaceae* in Shell Eggs from Small-scale Poultry Farms and Farmers' Markets. P1-55. St. Louis, Missouri, Monday, August 1, 2016

A. Kilonzo-Nthenge, S. Nahashon, S. Godwin and D. Long. 2016. Prevalence and Antimicrobial Resistance of *Enterobacteriaceae* on Shell Eggs and Egg contents from Poultry Farms and Farmers' Markets. TSU University-Wide Research, 2016.

A. Kilonzo-Nthenge and H. Liu. Occurrence of Extended-Spectrum Beta-lactamase- and AmpC Beta-lactamase-producing *Enterobacteriaceae* from Domestic and Imported Fresh Produce. P3-192. International Association of Food Protection (IAFP) in Portland, Oregon Tuesday, July 28, 2015.

A. Kilonzo-Nthenge. 2015. Enhancing Food Safety Knowledge of Small to Medium-sized Produce Growers in Tennessee and Illinois. USDA/NIFA Food Safety Project Directors Meeting Poertland, Oregon, in Portland, Oregon Tuesday, July 24, 2015.

A. Kilonzo-Nthenge, Prevalence of *Clostridium difficile* in Retail Meats and Farm Environment. 2014. International Association of Food Protection (IAFP) in Indianapolis, Indiana. August 3-6, 2014

A. Kilonzo-Nthenge, Effect of Storage Temperatures on the Survival of *Salmonella* and *Campylobacter* in Chicken Eggs. 2014. International Association of Food Protection (IAFP) in Indianapolis, Indiana August 3-6, 2014.

A. Kilonzo-Nthenge and D. Long. 2013. Reduction of *Salmonella* on Cucumbers by Washing in Thyme Oil and Thymol as Compared with Vinegar and Baking Soda. International Association of Food Protection (IAFP) in Charlotte, North Carolina, July 29-31 in 2013

A. Kilonzo-Nthenge, E. Rotich, S. Godwin, and S. Nahashon. 2012. The spread of *Cronobacter Sakazakii* in Domestic Kitchens. International Association of Food Protection (IAFP) July 23, 2012 Providence Rhode Island

A. Kilonzo-Nthenge, E. Rotich, and C. Thompson. 2011. Prevalence and Antimicrobial Resistance of *Enterobacteriaceae* in Animal Manure and Soil from Local Farms in Tennessee. A poster presented at the 2011 Association of research Directors, Inc. 16th Biennial Research Symposium, Atlanta Georgia. April 9- 13, 2011

*A. Brown, **A. Kilonzo-Nthenge**, D. Long, and C. Thompson. 2011. Antimicrobial-resistance of *Enterococcus* in Convectional and Organic chicken. Oral Presentation presented at the 2011 Association of research Directors, Inc. 16th Biennial Research Symposium, Atlanta Georgia. April 9- 13, 2011

S. Godwin, C. Chen, **A. Kilonzo-Nthenge**, and R. Stone. 2011. Consumer Reported Handling Practices for Poultry in the Homes. Presentation presented at the 2011 Association of research Directors, Inc. 16th Biennial Research Symposium, Atlanta Georgia. April 9- 13, 2011

A. Kilonzo-Nthenge, E. Rotich, and C. Thompson. 2011. Occurrence of **Antimicrobial** Resistant *Escherichia coli* Isolated from Soil and Animal Manure. Annual University-Wide Research Symposium Abstract

A. Kilonzo-Nthenge, S. Godwin, and F. Chen. 2010. Occurrence of Antibiotic-Resistant *Salmonella*, *Escherichia coli*, and other *Enterobacteriaceae* isolated from Retail Meats and Domestic Kitchens USDA Grantsmanship Workshop-Session, MD. November 29 - December 02, 2010.

A. Kilonzo-Nthenge, E. Rotich, and S. Godwin F. Chen, and C. Thompson. 2010. Prevalence and Antimicrobial Susceptibility of *Enterobacteriaceae* Isolates on Condiments Jars and Containers in Domestic Refrigerators. International Association for Food Protection Anaheim, CA. August 1-4, 2010.

A. Kilonzo-Nthenge, E. Rotich, and C. Thompson. 2010. Survival of *Cronobacter sakaazakii* on fresh produce during storage at refrigeration temperature. National Institute of Food Tech. Number: 036-07. Chicago, IL. July 17-20, 2010.

A. Kilonzo-Nthenge, E. Rotich, and G. Godwin. 2009. Antibiotic-Resistant *Enterobacteriaceae* Isolates from Retail Meats and Domestic Kitchen Environment in Tennessee. Date: July 12-15, 2009: International Association for Food Protection Grapevine, Texas.

Teaching

Full graduate member at Tennessee State University (USA)

Courses Taught:

AGSC 3530-Food Microbiology,

AGSC 5550-FoodSafty and Sanitation,
FACS 4500 –Senior Class

Student supervision and mentoring in Research

As an active research scientist in food safety, I have had the opportunity to train both undergraduate and graduate students in research. I have actively sought funding through grantsmanship activities to support these research efforts.

<i>Student Name</i>	<i>Degree</i>	<i>Thesis title</i>	<i>Date Graduated</i>	<i>My role</i>
<i>Sabrina Wyhood</i>	<i>MS</i>	Antibiotic-resistant <i>enterobacteriaceae</i> in retail meats and domestic kitchens in middle Tennessee	<i>2021</i>	<i>Advisor, thesis chair</i>
<i>Maureen Nzomo</i>	<i>MS</i>	Prevalence and spatial variation of antimicrobial resistant commensal bacteria in poultry and cattle farms.	<i>2021</i>	<i>Advisor & thesis chair</i>
<i>Siqin Liu</i>	<i>PH. D</i>	Distribution of Antibiotic Resistant Bacteria and Resistance Genes from Animal Impacted Environments and Retail Meats	<i>2020</i>	<i>Advisor & thesis chair</i>
<i>Winne Mukuna</i>	<i>MS</i>	Prevalence of antimicrobial resistant pathogenic and indicator bacteria in dairy production systems and plant based milk.	<i>2019</i>	<i>Advisor & thesis chair</i>
<i>Joy Igbafe</i>	<i>MS</i>	Evaluating the efficacy of select probiotic to reduce the colonization of Salmonella in broiler chickens	<i>2017</i>	<i>Advisor & thesis chair</i>
<i>Sqin Liu</i>	<i>MS</i>	Antibiotic resistant bacteria prevalence from imported vegetables and fruits	<i>2016</i>	<i>Advisor & thesis chair</i>
<i>Jessica Dompok</i>	<i>MS</i>	Prevalence of Pathogenic and Commensal Bacteria isolated from Produce in Small-scale farms in Tennessee	<i>2015</i>	<i>Advisor & thesis chair</i>
<i>Emily Rotich</i>		Antibiotic-resistant <i>enterobacteriaceae</i> in retail meats and domestic kitchens in middle Tennessee	<i>2010</i>	<i>Advisor & thesis chair</i>
<i>Ashley Brown</i>	<i>MS</i>	Antimicrobial-resistance of <i>Enterococcus</i> in Convectional and Organic chicken.	<i>2012</i>	<i>Advisor & thesis chair</i>
<i>Sarayu Bhogju</i>	<i>PhD</i>	Developing novel Probiotics and evaluating their mechanisms of interaction with host environment to enhance poultry performance	<i>2017</i>	<i>Co-Advisor</i>
<i>Joseph Donkor</i>	<i>PhD</i>	Evaluation of the potential for direct-fed microbials to enhance utilization of phosphorus in broiler chickens	<i>2017</i>	<i>Co-Advisor</i>

<i>Beverly Dixon</i>	<i>MS</i>	In vitro evaluation of the potential for select bacteria and yeast as probiotics in poultry production	<i>2013</i>	<i>Co-Advisor</i>
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Service to Department of Human Sciences

Scholarship (Undergraduate) committee: 2017-present

Textbooks and library subscriptions committee 2016-present

Fundraising committee: 2018-2019

Assistant /Associate Professor in Nutrition search committee: 2018

Service to College of Agriculture and Environmental Sciences

Research Associates- Food microbiology-hiring committee: 2018-2019

Outstanding Graduate Student (MS/Ph.D.) and Outstanding Mentor Award: 2019

Grant Facilitator search committee 2018

Soil microbiologist-search committee: 2015

Food Virology: 2015

Sensory Scientist -search committee: 2015

Extension Professor in Food Safety|2015

Service to University

University Research Committee

Professional Affiliations

International Association for Food Protection (IAFP)

Nashville Area Association of Family and Consumer Sciences (NAAFCS)

Produce Safety Alliance

American Society for Microbiology

Africa Association for Food Protection

Food Safety Manager (National Registry of Food Safety Professionals, Inc

Journal Reviewer

Food Control

Journal of food Safety

Frontiers Food Systems

Academic Journal

African Journal of Food Microbiology Research (AJMR)

Antibiotics MDPI

Microbial Drug Resistance

Journal of Agriculture and Food Research

Service to Community

MNPS Project Expo

Kenyan Association of Middle Tennessee

Feeding Program for the Homeless via Riverside Seventh day Adventist Church, Nashville Tennessee.

Brione H. Lockett

brionelockett92@gmail.com (847) 769-3104

Education

Southern Illinois University Carbondale

May 2020

- ◆ Master's in Public Health
- ◆ Ph.D. in Health Education

Southern Illinois University Carbondale

May 2015

- ◆ Bachelor of Arts degree
- ◆ History & Africana Studies

Experience

Tennessee State University- Nashville, TN

August 2022- Present

- ◆ Extension Assistant Professor in Cooperative Extension (Health Equity & Wellness)
 - Serve as the statewide Extension Specialist for Health Equity, access and healthcare availability in rural and urban Tennessee.
 - Collaborates with other faculty members and local healthcare providers to secure grants, conduct research and establish the statewide healthcare access and equity public education program.

Dixie State University/ Utah Tech University- St. George, UT

July 2021- July 2022

- ◆ Assistant Professor Interdisciplinary Arts and Sciences
 - INDS 3800 (Individualized Studies Seminar)- Provides undergraduate students the tools required to work toward the creation of an Individualized Academic Plan (IAP) by requiring students to design, implement, evaluate, and modify their individualized major curriculum proposals within thematic concentrations repeatedly, until their professional and personal goals mesh with their own proposed learning outcomes and the general learning outcomes of the Individualized Studies degree
 - INTS 3100 (Interdisciplinary Studies)- Explores the epistemology, assumptions, research methods, theories, and concepts of each student's emphasis disciplines. Then focuses on the methods, practices, and theories of interdisciplinary study through integrative approaches to complex issues.
 - INTS 3900/Honors3010 (Interdisciplinary Topics)- Presents a topic, problem, or theme from multiple disciplinary perspectives. Students experience the advantages and necessity of bringing the knowledge, concepts, theories, and methods of multiple distinct disciplines to bear on understanding complex issues and ideas and begin the process of integrating disciplines.
 - *The Black Indigenous and Persons of Color (BIPOC) Experience in a Diverse Society*
 - *Marginalized Medicine*
 - INTS 4950 (Interdisciplinary Studies)- focuses on research methods and scholarly writing as students identify project topics and prepare formal proposals for review and approval. In addition, students develop their thesis topic, theme, issue, or problem and relate their two areas of concentration through careful analysis and creative synthesis, producing a major senior thesis project that exhibits skill in interdisciplinary understanding.
- ◆ Multiple years of teaching undergraduate and graduate courses in Education, Ethnic Studies, public health, and Interdisciplinary Studies
- ◆ An active participant in continued education through professional research, publications presentations, and conferences
- ◆ Teach the Interdisciplinary Studies, Individualized Studies, and Honors Special Topics courses
- ◆ Served on multiple strategic planning committees and Faculty Senate

Dixie State University- St. George, UT

(40hrs/week) August 2020 – July 2021

- ◆ Coordinator for African American/Black Student Programs
- ◆ Provide social and transitional programming

- ◆ Connect students to various resources across campus to help ease their transition to University life
- ◆ Lead the planning, coordination, implementation, and assessment of retention programs and workshops that serve underrepresented students
- ◆ Train and mentor students
- ◆ Assist with Strategic Planning and Hiring Committees and initiatives
- ◆ Advisor for the Black Student Union
- ◆ Conduct trainings, events, and educational opportunities from trauma-informed platforms
- ◆ Guest lecture for “Trailblazer” connection courses
- ◆ Nominated for many campus awards and certificates

Board of Trustees SIU- Carbondale, IL

(20hrs/week) July 2018 – July 2020

- ◆ Student representative
- ◆ Engaged the student body in communication to be articulated to Board of Trustees
- ◆ Created and implemented broad diversity and inclusions strategies for a university system of thousands of faculty, staff, administration, and students. Strategies included cultural awareness campaigns and competency initiatives, collaboration efforts, and leadership trainings
- ◆ Approved of contracts, salaries and appointments of persons in administrative, faculty, and staff positions throughout the SIU system offices
- ◆ Approved of purchase orders for university equipment and software for system-wide services
- ◆ Approved fiscal year operating budgets for university system locations
- ◆ Assisted in overall evaluations and oversight of various schools within an academic system to ensure academic implementation as well as quality of education standards
- ◆ Amended and approved policies of the Board of Trustees associated with management, budgets, bylaws, financial, and administrative affairs
- ◆ Amended and developed policy regarding student tuition and fees, campus housing contracts, and university athletic protocol.
- ◆ Approved of hires and committees for administrative, faculty, and staff personnel in university system leadership positions such as Presidents, Chancellors, Provost, Deans, and directors of education units
- ◆ Developed effective partnerships across a system at all levels, including board members, administrative members, faculty, staff, students, and community organizations
- ◆ Former member Academic Matters and Audit committees
- ◆ Facilitated student organized lobby day at the Illinois State capitol of Springfield, Illinois where students given opportunity to meet legislative officers and the Governor and Lieutenant Governor of Illinois
- ◆ Received complaints, made necessary adjustments, reported complaints to the proper supervisory official
- ◆ Coordinated monthly meetings for the students, faculty, and administrators on university policy and happenings
- ◆ Former member of the Diversity Advisory Council (DAC)
- ◆ Assisted with development of achievable and tangible outcomes to ensure awareness while building upon cultural competency for the deep organizational changes across the SIU System

Africana Studies Department- Carbondale, IL

(20hrs/week) August 2015- June 2020

- ◆ Former instructor of Record for “The Black Experience in a Pluralistic Society” and “Special Topics within Africana Studies”
 - AFR 215- (University Core Curriculum) A study and understanding of the evolution of issues of pluralism in contemporary African American society. This course provides an interdisciplinary analysis of ideological and practical problems of racism, integration, class, equity, social institutions as they relate to the Black American experience.
 - AFR 499 (Special Topics: Leaders of Tomorrow: Navigating Minority Experiences in America- The course is designed to make students aware of various political, economic, societal, educational, health, and cultural realities relating to American life and how these

issues influence the lives of various minority populations. The focus of the course is to educate students on the complex issues of race, class, gender, etc., and to help students become the leaders we need today and tomorrow. By exploring the political, economic, geographical, societal, health, and cultural differences that minoritized groups face in America and how groups show resiliency and become leaders for many throughout the world.

- ◆ Graded exams, papers, and provide detailed feedback
- ◆ Provide extra assistance to students as needed
- ◆ Developed and supervised student research projects related to the social determinants of health on marginalized groups within contemporary societies
- ◆ Supervised and trained 10 workers to identify all concerns in team and provide continuous support to all members according to operating standards
- ◆ Taught in-person and virtual classroom formats
- ◆ Conducted marketing, retention, and recruitment plans for the Africana Studies Department
- ◆ Taught theoretical concepts of diversity within the US including ideas and perspectives on social determinants of health

Education Department- Carbondale, IL (10hrs/week) August 2019- June 2020

- ◆ Former Instructor of Record for “The Diversity in Education”
 - EDU 311 (Diversity in Education)- Diversity in Education. (University Core Curriculum course) Education 211 is one of the foundational courses required in the Teacher Education Program (TEP). The course fulfills the minimum state licensure requirement for diversity in education and Standard 1 of the IPTS. The course introduces students to the philosophical and definitional issues related to pluralistic education. Course focus addresses philosophical positions, the design and implementation of effective teaching strategies that reflect ethnic and cultural diversity, and prepares students to function in a multicultural society.
- ◆ Tracked progress of students’ development with observation, pre and post, formative, and summative assessment, and self-reflection
- ◆ Taught in-person and virtual classroom tiered lessons to meet the needs of learners with self-taught, regular education, and advanced level diversity in education courses
- ◆ Taught theoretical concepts of diversity within the US including ideas and perspectives on social determinants of health
- ◆ Integrated diversity and inclusion best practices throughout professional and academic settings

College Of Liberal Arts- Carbondale, IL (10hrs/week) May 2019- June 2020

- ◆ Former Administrative Assistant
- ◆ Conducted marketing, retention, and recruitment plans for the College of Liberal Arts
- ◆ Conducted research on the most effective and efficient ways to improve relations between the community, students, faculty, and administration.
- ◆ Contributed to departmental presentations and events.
- ◆ Conducted advisement to university students seeking undergraduate and graduate degrees

SIUC Athletics Department – Carbondale, IL (20hrs/week) June 2017- August 2017

- ◆ Mentor
- ◆ Tutor for the athletics department
- ◆ Taught in-person classes on nutrition and writing courses for student athletes

Internships

Great Plains Tribal Chairmen’s Health Board (GPTCHB) (40 hours/week) June 2016- August 2016

Epidemiology Intern – Rapid City, SD

- ◆ Internship with Community Health Prevention Programs and The Northern Plains Tribal Epidemiology Center
- ◆ Lead strategic planning process to reduce social determinants of health
- ◆ Created a cancer survivorship resource guide for Great Plains tribal communities.

- ◆ Conducted Tribal research involving mortality and morbidity rates, childhood cancers, and colon cancer affecting native communities.
- ◆ Conducted and assisted with the dissemination of tribal data product focusing on seventeen Northern Plains tribes and one settlement; Information based on tribes throughout Iowa, Nebraska, North, and South Dakota.
- ◆ Assisted with the development of public health program guidelines and comprehensive materials to assist Native American individuals with understanding tribal health issues and trends

Paul Simon Public Policy Institute

Alexander Lane Internship -- Springfield, IL (40 hours/week) January - June 2015

- ◆ Legislative staffer for House of Representatives Democratic Party legislators; monitored pending legislation, conducted research, drafted legislation, provided advice and counsel to the Democratic legislative members
- ◆ Reviewed Bills and Resolutions involving healthcare, environment, labor, and education
- ◆ Reviewed and compared bills passed by legislators from in- and out-of-state districts to consider possible legislative changes
- ◆ Researched, proposed resolutions and bills regarding healthcare, education, and transportation bills, and environmental issues
- ◆ Conducted press and photo releases for Representatives on healthcare, education and legislative bills.
- ◆ Completed mailing lists for Representatives to send out congratulatory, scholar, and or milestone letters for constituents and the Representatives districts.
- ◆ Illinois Department of Public Health Women's Conference Volunteer in Peoria, IL

Vince Demuzio Internship- Marion, IL (40 hours/week) October 2014- January 2015

State Representative John Bradley 117th district Illinois

- ◆ Directed the constituent service program involving constituents who needed assistance with government agencies.

SIU Student Representative - Carbondale, IL

March 2014-November 2014

- ◆ Presentation on the educational system in response to the "Bob Moses Algebra Project" workshop and the educational system.
- ◆ Worked with U.S. Senator Richard Durbin on issues affecting student's debt as well as the Amtrak transportation conflict from Chicago to Carbondale.

Grants and Awards

Get Fruved Mini-Grant - Carbondale, IL

Spring 2017- Summer 2018

- ◆ Encouraged students on SIUC's campus to complete a short survey
- ◆ Assessed students' perceptions of the healthfulness of your campus environment
- ◆ Identified campus' readiness and student priorities for change
- ◆ Conducted an objective audit of the healthfulness of SIUC's campus environment
- ◆ Received a \$3,000 grant to implement a healthy campus program

SIH COVID-19 Relief Fund grant writer -Carbondale, IL

Spring/Summer 2020

- ◆ Assists with determining proposal concept by identifying and clarifying opportunities and needs.
- ◆ Reviewed the budget of a project or program for which funding is sought and made recommendations regarding presentation to funding organizations
- ◆ Remained current in the specialty field of research through reading journals and scientific papers

Utah Department of Heritage & Arts "Racial Equity & Inclusion Grant"

Fall 2020

- ◆ Provided emergency basic needs assistance to multicultural communities
- ◆ Created and managed the Healthy Opportunities for Multicultural and Ethnic Students (HOMES) program to address food deserts and bring healthy fruits and vegetables for the diverse student body of Dixie State University
- ◆ Created timelines, meet deadlines, and managed multiple projects and tasks simultaneously
- ◆ Identified community resources for networking and collaboration
- ◆ Employed and supervised three individuals

- ◆ Collected, analyzed, and reported data on the performance of the (Homes) program
- ◆ Received \$35,280 to implement the HOMES program

Tennessee State University Cooperative Extension Innovation Program Grant Fall 2022-Spring 2023

- ◆ \$1000 innovation grant for Family and Consumer Sciences
 - Implementation of a community-raised garden intervention that served as a helpful tool and resource for providing children and their families access to healthy and nutritious food and teaching them about creating and planting their gardens to benefit and increase their quality of life throughout many generations.

Certificates

- ◆ **ACUE Microcredential in Promoting Active Learning**
 - Association of College and University Educators [2021]
 - This microcredential signifies my completion of an ACUE course requiring the implementation of evidence-based instructional approaches. The credential is co-issued by the American Council on Education and distinguishes faculty for their commitment to educational excellence and student success.

Presentations, organizations, and events

SIUC Spring 2018 Black Pre-Commencement-Carbondale, IL May 2018

- ◆ Presented keynote address for the Black Graduation ceremony honoring Black students' academic achievements.

District #214 African American Teen Summit- Palatine, IL April 2018

- ◆ Presented to high school students, discussing financial, African American history, and issues affecting Black youth.

Illinois Black Caucus Retreat- Chicago, IL February 2017

- ◆ Presentation to Illinois Black Caucus members, regarding issues affecting the Black students at Southern Illinois University Carbondale.
- ◆ Discussed University Welfare at Southern Illinois University Carbondale

GPTCHB Cancer Symposium-Rapid City, SD April 2017

- ◆ Provided opportunity for individuals in the Northern Plains region to be educated on cancer prevention, screening, and survivorship
- ◆ Informing individuals on importance of screening and prevention for Colorectal Cancer among Native Americans

American Public Health Association – Denver, CO October 2016
Exhibitor

- ◆ Networked with influential decision-makers to increase public health awareness and recruit public health professionals to SIUC

SIU Externship Program-Lockport, IL Spring 2014
Illinois State Museum

- ◆ Became familiar with different artists as well as the different styles of art to prepare the museum for an exhibit
- ◆ Trained the museum staff on using social media and its advantages

Southern Illinois University Africana Studies Department

Undergraduate Research Assistant- Carbondale, IL Spring 2014

- ◆ Researched how federal incarceration and zip codes determine a person's success in obtaining the "American Dream"; created a poster presentation titled "The New Jim Crow" by Michelle Alexander that was presented at the Undergraduate College Research Assistants forum.

Southern Illinois University MPH Advisory Board Spring 2017- Spring 2019
Board Member- Carbondale, IL

- ◆ Provided input related to the MPH program's mission, goals, objectives, and curriculum assessment system
- ◆ Offered guidance on recruitment, retention, practical experience, continuing education in workforce, and employment

- ◆ Observed MPH capstone presentations
- American Academy of Health Behavior** March 2018
Poster Presentation- Portland, OR
- ◆ "Rural-Urban Disparities in Physical Activity among Military Service Member and Veteran Cancer Survivors"
 - Collaborators: Justin T. McDaniel, Fanta S. Hangadumbo, Kristen Brewer, Ashley Moss, Musa Yahaya, Brione H. Lockett, and Maali Alruwaili.
- First Illinois Public Health Career Fair** March 2018
Event Coordinator- Carbondale, IL
- ◆ Created and organized a career fair for Illinois featuring over 20 for-profit and non-for-profit organizations.
- ◆ Worked as a liaison between state and local public health partners
- Navigating the Campus Black Experience at SIUC** September 2018 & August 2019
Event Coordinator- Carbondale, IL
- ◆ Created and organized culturally appropriate orientation for the Southern Illinois University Carbondale Campus addressing academic counseling; navigating student assistance programs.
- SIU Board of Trustees Diversity Excellence Lecture & Award** December 2019
Event Coordinator- Carbondale, IL
- ◆ Organized SIU system-wide diversity and inclusivity award event highlighting models of excellence created within an academic or academic support unit
- Earth Day 2020 Digital Earth Day Event** Spring 2020
Event Coordinator and Presenter-Carbondale, IL
- ◆ Organized and presented a virtual presentation on the effects of the COVID-19 pandemic on climate change
- ◆ "Ignoring or Invigorating Science? What Can Climate Change and COVID-19 Learn from Each Other?"
 - Collaborators: Brione Lockett, Holly Cormier, Sarah Patrick, Robert McDermott
- Suicide Prevention Week** Fall 2020
Presenter- St. George, UT
- ◆ Organized and presented a presentation on social determinants of health, mental health, and minority populations
- ◆ "Disparities of Mental Health for Minorities"
- A Conversation of Understanding** Fall 2020
Panelists presenter – Carbondale, IL
- ◆ Panelists for a conversation on Race-based Trauma and mental health and their impact on higher education institutions and university communities
- ◆ "Race-Based Trauma & Mental Health"
- District 214 Mustang Morning Series Presentation** February 2021
- ◆ Presented to students, faculty, staff, administration, and district 214 high school communities on Black History Month and student success beyond high school.
- What does Black History Month Mean to you?** February 2021
Panelists Presenter-St. George, UT
- ◆ Panelist for a discussion that focused on the viewpoints of Black History Month, identities, and the cultures of many diversity, equity, and inclusion professionals throughout the state of Utah.
- ◆ Partnership included: The Utah Division of Multicultural Affairs, the University of Utah's Black Cultural Center, Dixie State University's African American Student Programs, Utah Valley University's African Diaspora Initiative, and Ogden NAACP
- Teaching, Learning, and Student Success Conference** March 2021
Co-Presenter- St. George, UT
- ◆ Presentation on presenting viewpoints about if, how, and why fostering diversity at a local university is important for current and future student preparation for the workforce.
- ◆ Co-Presenter: Dr. Lisa Welch RDH, MSDH, EdD

The University of Utah: Friday Forum Series

March 2021

Presenter- Salt Lake City, UT

- ◆ Friday Forum on Racism in Higher Education
- ◆ “Social Distancing: Safety or Separation”
 - Virtual presentation explores the intersectionality of social distancing in America through a critical lens. The presentation explores how social distancing is not just a phrase that has been used during the Global COVID-19 pandemic but also a term that helps explain the various interactions Americans have had with one another in public fields and arenas.

SUU Association for Interdisciplinary Studies International Conference

October 2021

Co-Presenter- Cedar City, UT (virtual)

- ◆ “Effective Interdisciplinary and Silo Avoidance: Working More Inclusively and Supportively Across Departmental, Disciplinary, and Job Category Boundaries”
 - Virtual panel presentation addressing Interdisciplinary Studies departments and how they tend to be among those least likely to become isolated silos or contribute to campus climates that lead other departments in that direction. Nonetheless, universities are busy places where unintended tunnel vision and silo-ing remain risks. We will discuss our experience addressing these issues both in our current and previous positions with colleagues to get their perspectives on these issues with the intention of finding out how we can all better encourage interdisciplinary and achieve an appropriate balance between the generosity and rigor we offer students and colleagues.

Utah System of Higher Education

October 2021

Co-Presenter-St. George, UT (virtual)

- ◆ “Transfer issues, and how these relate to General Education equity gaps”
 - Virtual panel presentation to engage both existing policies that attempt to reduce transfer barriers, as well as continued problems that restrict a smooth transfer of GE credits for underserved and non-traditional students.

Expect the Great College and Career Awareness and Readiness Event

March 2022

Presenter- Snow College Ephraim, UT (virtual)

- ◆ “Resistance, Persistence, & Transcendence Navigating Health and Well-Being in College”
 - Presentation focused on the importance of well-being in college and life situations. The emphasis of the presentation surrounds conversations on providing effective and efficient methods to acknowledge, address, create, and maintain positive strategies relating to well-being. Special attention will be made to social determinants and systems persons use to manage their well-being and inform others on ways to navigate the health of persons in unique situations.

Southern Utah University Juneteenth Celebration

June 2022

Presenter – Cedar City, UT

- ◆ “A Lifetime of Healing: Resistance Persistence, and Transcendence of Juneteenth”
 - Presentation will focus on the history and components of Juneteenth and its impact that it has had on multiple community’s overtime. The presentation will pay special attention to the correlation of culture, trauma, healing, and social determinants of health.

University of Utah

February 2023

Presenter- Salt Lake City, UT

- ◆ Amplifying Community Engagement (*Friday Forums*)
 - Actively cultivate community connections where trust is built and the structural effects of injustice are uprooted to transform the future of the university.

Utah Tech University

June 2023

Presenter- St. George, UT

- ◆ “Having a Blast Bypassing Disciplinary Silos: Integrating Humanities, Arts, and Social Sciences with STEM”
 - Panelists collaborate across departmental boundaries to benefit students, bypassing the barriers that unavoidably result from disciplinary siloing. Join and contribute to an ongoing dialogue with an interdisciplinary honors program coordinator; a protein structural biologist for whom artistic and graphical representations are central to communicating protein function; a painter-paramedic who teaches anatomy and brings his students to the cadaver lab as part of that process; a biologist who teaches at a renowned art and design school; **a health equity and wellness professor whose teaching and outreach focus on necessary but often overlooked contexts and insights from multiple disciplines; a philosopher who teaches the university’s bioethics class for a biology department;** and a humanities-science dual specialist whose teaching and research straddle multiple fields and departments.

Research Experience

- ◆ Conducted research on the biopsychosocial risk factors associated with marginalized groups and various forms of policy
- ◆ Native Americans health and well-being
- ◆ Mental health and Substance Use Disorders
- ◆ African American health and well-being

Publications

Publications

- ◆ Lockett, B. H. (2020). *Learning From The Past So That The People May Live: An Ethnographic Study on Federal Policies and Mental Health among Native Americans* [Unpublished doctoral dissertation] Southern Illinois University Carbondale.
- ◆ McDaniel, J. T., Hangadumbo, F. S., Brewer, K., Moss, A., Yahaya, M., Lockett, B., Alruwaili, M., Godfrey, K., & Albright, D. L. (2019) Rural-urban disparities in physical activity among service member and veteran cancer survivors. *Military Behavioral Health*
- ◆ Lockett, B. H., McKenzie, L. A., Sherrill, T. A., Kapatamoyo, K., Hangadumbo, F. S., Diehr, A. J., (2019) Collaborative Statewide Public Health Career Fair: Planning, Implementation, and Evaluation. *ESG Health Education Monograph Series*.

Reviewer

- ◆ SSM Qualitative Research In Health
- ◆ American Public Health Association

Registered Student Organizations

Black Graduate Student Association (BGSA)-Carbondale, IL

Fall 2015 – Summer 2018

- ◆ Former President/ Vice President/ Parliamentarian
- ◆ Ensured parliamentary procedures; represented general membership to executive board.

Eta Sigma Gamma (ESG) National Health Education Honorary

Spring 2017 – Spring 2018

- ◆ President
- ◆ Conducted meetings for the organization
- ◆ Facilitated board meetings
- ◆ Maintained contact with all members, advisers, and alumni
- ◆ Provided encouragement and motivation to other officers and organization members

Graduate Assistants United (GAU) – Carbondale, IL

Spring 2017-Summer 2018

- ◆ Secretary/Treasurer
- ◆ Managed GAU organizational funds, ensured efficient and effective funding strategies for collection and disbursement of funds.

Graduate and Professional Student Council (GPSC) - Carbondale, IL

Fall 2018- Spring 2020

- ◆ Represented the Health Education and Recreation Professions
- ◆ Former GPSC representative for the Diversity and Inclusivity Committee

- ◆ Wrote resolutions for the GPSC body to consider various diversity matters

Professional Training/Certifications

Crossroads Antiracism Organizing & Training- Springfield, IL

Fall 2019

- ◆ Learned how to create a common language and analysis around structural racism
- ◆ Focused on understanding hoe cultural dominance, systemic power, and racism interactions that may preserve and utilize the race construct

“QPR Suicide Prevention Gatekeeper Program”- St. George, UT

Fall 2020- Fall 2023

- ◆ QPR Gatekeeper Certificate
 - ◆ A national recognized, evidence-based suicide prevention program
- “Black Coalition for Safe Motherhood”**
- ◆ ACTT Facilitator/Instructor

Service

Ethnic Studies Coalition- Utah

Spring 2020- Fall 2022

- ◆ The Ethnic Studies Coalition is a group of citizens who would like the Utah K-12 Core Standards to include every Utahn family’s ancestry and culture in the learning to empower every student to more fully develop their capacity and sense of self. Ethnic Studies is the interdisciplinary social and historical study of how different populations have experienced and participated in American life. We want to honor the beautiful diversity that defines Utah’s endearing legacy.
- ◆ Goals include: drafting legislation to amend the K-12 Core Curriculum Standards, funding the mandate, and providing teacher training so the teachers have an understanding of the standards so that they can incorporate inclusive teaching materials.

Outdoor Leadership Academy (OLA)- Utah/Nevada

Spring 2020- Fall 2022

- ◆ Funded by the National Park Service to provide outdoor experiences for underrepresented youth.
- ◆ Offer a diverse series of activities for regional high school and college students throughout the calendar year.
- ◆ Programs range from a unique college orientation experience to camping and white water rafting, to short presentations and programs about exploring the amazing natural environment in our region and beyond.

Student Outbreak Response Team (SORT) - Carbondale, IL

Spring 2020

- ◆ Made phone calls to individuals living in a low-income, retirement, and assisted living facility located in central Illinois
- ◆ Conduct phone-based wellness checks with adults living in the apartment complex quarantined during the COVID-19 pandemic
- ◆ Work under a local health department, Emergency Management Agency, and the U.S. Department of Housing and Urban Development
- ◆ Provide health information updates and answer questions from partners, participants, and team members

Dunbar Leadership Society Board Member- Carbondale, IL

Fall 2019- Current

- ◆ Serve as a board member for the Dunbar Leadership Society Board and African American leadership giving initiative created by the SIU Foundation

Southern Illinois University Carbondale Department of Public Safety

Spring 2019

- ◆ Advisory Board forum member responsible for providing input on proposed legislation of the Police Reform Bill including discussions about trainings, body cameras, cannabis legislation, etc.

Southern Illinois Civic Education Workshop

Fall 2016

- ◆ *Panel Discussion Member*

Southern Illinois University Carbondale Annual Youth Leadership Conference

October 2014- 2016

Sponsored by Paul Simon Public Policy Institute.

- ◆ Worked with students from East St. Louis, Illinois.

Southern Illinois University Carbondale (African Studies) open house representative

Southern Illinois University Carbondale Club Rugby

- ◆ Former member SIU’s Division II club rugby team.

VERONICA J. OATES, PhD, RDN, LDN

CURRICULUM VITAE

424 Edencrest Court
Antioch, TN 37013
oatesoasis@comcast.net

EDUCATIONAL BACKGROUND

Ph.D. in Nutrition, Gillings School of Global Public Health, University of North Carolina at Chapel Hill
M.S. Biology, North Carolina Central University
B.S. Chemistry, North Carolina Central University
B.S. Biology, North Carolina Central University
B.S. Human Sciences, North Carolina Central University

PERSONAL STATEMENT

Since 2010, my research has focused on promoting healthy eating skills and weight management behaviors among African Americans to prevent obesity and obesity-related health problems. My first major funded intervention intertwined cultural and self-empowerment with media literacy, nutrition intervention, and physical education. My mission is to educate, encourage, and empower healthy lifestyles that reduce an individual's risk for developing diabetes, cardiovascular disease, and other chronic disease related to obesity and overweight. I am a DPP Lifestyle Coach.

RESEARCH SUMMARY

Working with diverse populations to understand, prevent, and eliminate health disparities within underserved communities for over 15 years and currently overseeing, as principal investigator, several research teams of funded grant projects, directing the planning, organizing, and evaluating funded public health interventions and research projects related to immunizations, growing microgreens, diabetes management, improving dietary habits, and food justice for African American and underserved populations. I plan, conduct, and analyze research, teaching, and extension activities incorporating nutrition education for obesity and diet-related chronic disease prevention. As a licensed Registered Dietitian Nutritionist, I use motivational interviewing, adaptive modeling, and cultural models to develop and deliver tailored health interventions.

CURRENT POSITION

Professor & Interim Chair

2018 – 2023

Human Sciences, College of Agriculture

Tennessee State University, Nashville, TN 37209

- TSU lead on collaborative USDA NIFA 1.2 million *CHEW 2.0* grant;
- Awarded \$179,081 CDC/USDA as PI for *EXCITE 2: TSU Vaccinating for Health Equity*;
- Received ICON360/The GAP, Inc. funding of \$50K from Harlem Fashion Row;
- Awarded \$268,864 NSF HBCU-UP grant as TSU lead of 3 university collaborative team - *Smart Technology-enabled Nutrient Lifecycle and Supply Chain Management for Microgreens* grant;
- Faculty advisor for two preprofessional undergraduate student clubs: SAND (Nutrition) and USNDA (pre-dental); Faculty Advisor for campus student organization *SHE IS*, 2015-2016
- Promoted to Professor in August 2020; Mentoring and advising undergraduate students;
- Teaching study abroad courses: Nutrition in the Global Community: Brazil, May 2015; and Basic Nutrition; Taught graduate level independent study nutrition courses in Department of Agriculture.
- Managing externally funded research projects; analyzing and interpreting data and authoring manuscripts;
- Developing curriculum for MS degree program in Dietetics.
- Received \$149,668 AFRI grant "Strengthening Youth Active & Media Savvy (YAMS)", 2015-17.
- Received \$599,992 USDA Capacity Building Grant in 2010 entitled Youth Active and Media Savvy (YAMS), funded 2010-2014.
- Tenured as an Associate Professor, July 2014; Promoted to Associate Professor July 2013;
- Chair of Faculty Senate 2013-2014;
- Developed productive partnerships with external constituents for dietetic field experience course with formal MOUs;
- Researching obesity prevention/weight management among low-income families with children;

Analyzing data and authoring manuscripts; Writing grant proposals for preventing obesity among adolescents;

- Using media literacy to improve the dietary behaviors and practices of African American youth;
- Educating African American Women with Type II DM using motivational interviewing to improve A1C levels.

PAST POSITIONS

Associate Professor & Department Chair, Interim 2013 – 2018

Department of Human Sciences, College of Agricultural, Human and Natural Sciences
Tennessee State University, Nashville, TN 37209

- Writing interim reports for Council for Accreditation of AAFCS and reaffirmation for Commission on Colleges of the Southern Association of Colleges and Schools.
- Developed new special topics course teaching community-based participatory research course with capstone study abroad service learning in Jamaica;
- Managing three academic programs; Child Development and Family Studies, Fashion Merchandising, and Foods and Nutritional Sciences (w/ Dietetics and Food Service Management) in department that integrates teaching, research and Cooperative Extension;
- Managing the needs of two accredited programs, as well as an on-site Early Learning Center;
- Teaching online course in elementary nutrition and maternal child nutrition; taught traditional classes of advanced nutrition, nutrition assessment, behavior change and counseling, and professional ethics, and study abroad course in basic nutrition;
- Providing administrative support in instruction, research, experiential and service learning for 4 teaching faculty, 3 research faculty, 3 extension faculty, and a director of the Early Learning Center;
- Allocating and budgeting department resources including teaching duties and adjunct contracts;
- Developing productive partnerships with external constituents in the local and regional community;
- Faculty advisor for two preprofessional undergraduate student clubs: SAND (Nutrition) and USNDA (pre-dental)

Adjunct Professor 2012 - 2013

Department of Human Sciences, North Carolina Central University, Durham, NC

- Taught online graduate courses: Sports nutrition; research methods in foods and nutrition; introduction to epidemiology; curriculum planning; and introduction to research;

PRN Dietitian 2010 – 2010

Parthenon Hospital, Hospital Centers of America, Nashville, TN

- Developed, implemented and monitored nutritional care plans based on nutritional assessment and medical records of patients;
- Developed and explained diet plans to patients and their families;
- Provided nutrition counseling to patients.

Adjunct Lecturer/ Program Evaluator 2007 - 2008

Department of Human Sciences, North Carolina Central University, Durham, NC

- Evaluated the Dietetic Internship and Didactic Programs for Commission on Accreditation for Dietetics Education (CADE) required self-study report;
- Taught undergraduate introductory nutrition course online;
- Developed and implemented online survey evaluation tools to collect data from current and former students and preceptors;

Dietetic Intern 2007 – 2008

Dietetic Internship Program, Human Sciences, North Carolina Central University, Durham, NC

- Developed, implemented and monitored nutritional care plans based on nutritional assessment and medical records; developed and explained diet plans to patients and their families;
- Administered medical nutrition therapy as part of the health care teams at 2 hospital rotations and 2 nursing and rehabilitation centers;
- Provided adult and pediatric in-home and outpatient medical nutrition therapy to low-income clients;
- Provided nutrition consultation services to licensed child care centers and homes;
- Developed culturally appropriate handouts for clients;
- Developed and conducted in-service training on writing Problem, Etiology and Symptoms (PES) statements for dietitians/nutritionists;

- Planned, scheduled, and coordinated budget and menu planning, food production and service at a renowned residential weight loss program; conducted inventory and managed staff the foodservice operations;
- Developed and performed food safety in-service training to staff and educational classes to residential clients;

National Institutes of Health Postdoctoral Researcher 2005 – 2007

Cancer Research, Biomedical/Biotechnology Research Institute, Durham, NC

- Evaluated and developed materials for patient navigator program designed to improve patient-provider communication among women of color;
- Developed patient tracking database for free mammography program at local community clinic;
- Provided nutrition information and resource information to low-income breast cancer survivors;
- Evaluated clinical study for breast mammography among high-risk women of color;
- Wrote and submitted grants for community-based programs.

Outreach Coordinator 2005 – 2006

Prevention Research Center, Gillings School of Global Public Health, Chapel Hill, NC

- Designed focus group guide and baseline survey for urban community-based project;
- Completed forms for Internal Review Board, HIPAA and IRB Human Subjects certification;
- Recruited participants, conducted focus groups, and served as community liaison.

Training Consultant 2005 – 2006

Baby's Easy Safe Sleep Training, NC Healthy Start Foundation, Raleigh, NC

- Created parent education training curriculum;
- Co-created educational tool for use in communities;
- Developed agenda and guide for trainers; conducted regional train-the-trainer sessions using existing network of state certified SIDS trainers and counselors;
- Developed evaluation questionnaires; created a data collection system and database;
- Facilitated informal focus group sessions for consumer input;
- Managed budget and project timeline; wrote reports.

CDC Minority Dissertation Research Fellow 2003 – 2005

Center for Health Promotion and Disease Prevention, Prevention Research Center

Gillings School of Global Public Health, Chapel Hill, NC

- Recruited participants, conducted interviews, recorded and transcribed personal telephone surveys.
- Designed telephone interview guide to evaluate training and capture emic view of natural helpers participating in programs;
- Developed conceptual models and measures and analyzed and evaluated extant and primary data collected from community-based projects;
- Developed coding system for transcribed qualitative data; organized and coded qualitative data using NVivo; used SPSS and SAS to manage and analyze quantitative data;
- Wrote 3 manuscripts from findings for peer-reviewed publications; submitted monthly, quarterly and yearly progress reports.

Graduate Teaching Assistant Spring 2003

Department of Nutrition, Gillings School of Global Public Health, Chapel Hill, NC

- Prepared and delivered course lectures for introductory graduate course to program and policy approaches for improving nutrition status of populations;
- Helped professor to develop course materials teaching nutrition policy and programs;
- Organized, updated, and maintained instructional website for course;
- Prepared PowerPoint presentations and audiovisual materials for lectures
- Designed and facilitated electronic discussion board engaging students in weekly postings;
- Directed students to resources for completing assignments and answered questions.

National Cancer Institute Cancer Prevention and Control Fellow 2000 – 2003

Lineberger Comprehensive Cancer Center, Chapel Hill, NC

- Analyzed and evaluated process data collected for dissertation;

- Developed codes and interpreted qualitative data collected from interviews
- Developed pre/post tests and telephone interview instruments for evaluating project;
- Facilitated and conducted lay health advisor focus groups and training sessions;
- Used SPSS to manage and statistically analyze quantitative data;
- Wrote proposals for federal and private funding; collaborated on 3 published manuscripts.

GRANTS & FELLOWSHIPS

Principal Investigator, 1890 Land Grant Universities Center of Excellence for Nutrition, Health, Wellness, and Quality of Life (NHWQL)	2021 – 2023
<i>Food Justice Leadership Academy</i>	
Awardee, ICON 360/Harlem Fashion Row/The GAP, Inc.	2021 – 2022
Principal Investigator, CDC/USDA	2021 – 2023
<i>TSU EXCITE: Vaccinating for Health Equity,</i>	
Principal Investigator, AAFCS Healthy for Life Grant, American Heart Association	2020 – 2021
<i>Healthy for Life Lay Health Advisor Training</i>	
Principal Investigator at TSU, HBCU-UP Collaborative Proposal, NSF	2020 – 2023
<i>Smart Technology-enabled Nutrient Lifecycle and Supply Chain Management for Microgreens</i>	
Principal Investigator, Agriculture and Food Research Initiative, USDA	2015 – 2017
<i>Strengthening Youth Active and Media Savvy (YAMS)</i>	
Principal Investigator, Capacity Building Grant, USDA	2010 – 2014
<i>Youth Active and Media Savvy (YAMS)</i>	
Co-Investigator, Agriculture and Food Research Initiative, USDA	2011 – 2013
<i>Nashville Children Eating Well (CHEW)</i>	
Co-Investigator, Evans-Allen Funding, USDA	2008 – 2009
<i>Challenges in Maintaining Healthy Weight among Low-Income Parents of Young Children</i>	
Post-Doctoral Fellowship, Biomedical/Biotechnology Research Institute,	2005 – 2007
<i>North Carolina Central University, Durham, NC</i>	
Dissertation Fellowship, Centers for Disease Control and Prevention,	2003 – 2005
<i>American Schools of Public Health and the UNC Prevention Research Center</i>	
Pre-doctoral Training Fellowship, Cancer Control Education Program (CCEP),	2000 – 2003
<i>Lineberger Comprehensive Cancer Center, UNC Chapel Hill</i>	
Pre-doctoral Training Fellowship, Center for Health Promotion & Disease	2000 – 2003
<i>Prevention, Gillings School of Public Health, Chapel Hill, NC</i>	

PEER-REVIEWED PUBLICATIONS

- Zhou YE, Jackson CD, **Oates VJ**, Davis GW, Davis C, Takizala Z, Akatue RA, Williams K, Liu J, Hébert JR, Patel KA, Buchowski MS, Schlundt DG, Hargreaves MK. Refining a church-based lifestyle intervention targeting African-American adults at risk for cardiometabolic diseases: a pilot study. *Open Journal of Epidemiology*. 2017; 7:96-114. <https://doi.org/10.4236/ojepi.2017.72009>
- Miller, Stephania T., Oates, Veronica J., Brooks, Malinda A., Shintani, Ayumi, Gebretsadik, Tebeb, and Jenkins, Darlene M. "Preliminary Efficacy of Group Medical Nutrition Therapy and Motivational Interviewing among Obese African American Women with Type 2 Diabetes: A Pilot Study," *Journal of Obesity*, vol. 2014, Article ID 345941, 7 pages, 2014. doi:10.1155/2014/345941
- Gooden, K.M., Carter-Edwards, L., Hoyo, C., Akbar, J., Cleveland R.J., **Oates, V.**, Jackson, E., Furberg, H., Gammon, M.D. "For the patient. Recruitment strategies for cancer research studies." *Ethnicity & disease* 2005;15(1):151.
- Campbell, M.K., James, A., Hudson, A., Carr, C., Jackson, E., **Oates, V.**, Demissie, S., Farrell, D., Tessaro, I. "Improving multiple behaviors for colorectal cancer prevention among African American church members." *Health Psychology*, 23(5): 492-502, 2004.
- Thrasher, J.F., Campbell, M.K., **Oates, V.J.** "Behavior-specific social support for cancer risk behaviors among African American church members: Applying optimal matching theory." *Health Education & Behavior*, 31 (2): 193-205, April 2004.
- Katz, M.L., James, A.S., Pignone, M.P., Hudson, M.A., Jackson, E., **Oates, V.**, Campbell, M.K. "Colon cancer screening among African American church members: A qualitative and quantitative study of patient-provider communication." *BMC Public Health* 2004, 4:62, December 2004.

PRESENTATIONS

- Talley, J, and Oates, V. "Using an Agricultural Supply Chain to Train the Next Generation of STEM Professionals" American Society for Engineering Education's 2023 Annual Conference & Exposition held at the Baltimore Convention Center, Maryland, June 25-28, 2023.
- Oates, V, Speller-Henderson, L., Beard, H. "Strengthening Youth Active and Media Savvy: Developing an Afterschool Program. Poster presentation at the 2016 SNEB Annual Conference in San Diego, California, Tuesday, August 2, 2016.
- Oates, V. "*Teaching Nutrition in the Global Community: Hands-on In Brazil.*" Oral presentation at the 9th Annual Tennessee Consortium on International Studies (TnCIS) Conference on International Education. Memphis, Tennessee, November 5, 2015.
- Oates, V. Fleming, R. Franklin, A. "From Soul Food to Fast Food: The Modern African American Diet." Presentation at the International Union of Nutritional Sciences (IUNS) 20th International Congress of Nutrition, Granada, Spain, September 20, 2013.
- Oates, V. "Culturally Sensitive Approaches in Qualitative Methods" Workshop presented at 2012 Tennessee Board of Regents -Austin Peay State University Qualitative Research Conference, Clarksville, Tennessee, October 15, 2012.
- Oates, V., Fleming, R. Franklin, A. Ekanem, E., "Health perceptions and the media's influence in the African American community," Oral Presentation, Annual Conference of the International Society for Behavioral Nutrition and Physical Activity (ISBNPA) at Austin, Texas, on May 25, 2012.
- Oates, V., Fleming, R. Franklin, A., Williams, M., Ekanem, E., "Process Evaluation of the Youth Active and Media Savvy (YAMS) Pilot Camp" Poster Presentation, 2012 Annual Conference of the International Society for Behavioral Nutrition and Physical Activity (ISBNPA) at Austin, Texas, on May 25, 2012.
- Oates, V.J., "Research Methods with Diverse Racial and Ethnic Groups: Culturally Sensitive Qualitative Methods" Presentation at the Tennessee Board of Regents 2nd Annual Researcher Development Conference on March 16, 2012, Franklin, Tennessee.
- Oates, V.J., "Youth Active and Media Savvy (YAMS) Pilot Camp: Process and Feasibility." Presentation at the Nashville Children Eating Well (CHEW) Conference on November 10, 2011, Nashville, Tennessee.
- Oates, V. J. "Media Literacy: Critical Analysis of Mass Communication." Presented at the Influence of Media on Childhood and Adolescent Obesity Symposium on April 8, 2010 held at the School of Agriculture and Consumer Sciences, Tennessee State University.
- Oates, V.J. "Childhood Obesity: What are We Going to Do?" Keynote Speech presented at the Metropolitan Action Committee Head Start's "I'm Moving I'm Learning." In-Service training on July 21, 2009 held at the Avon Williams Campus of Tennessee State University.
- Oates, V.J., Robertson, S., Goldenburg, V., Seewaldt, V.L., "Navigating in the Pink: An Evaluation of the Patient Navigator Program for Women of Color." Presented at the "Promoting and Cultivating Health Disparities Research Conference" on June 12, 2006 on the campus of NCCU.
- Oates, V.J, "A Triad Collaboration: Partnering in the Pink." Presented at the "Promoting and Cultivating Health Disparities Research Conference" on June 12, 2006 on the campus of NCCU.
- Oates, V.J., Robertson, S.B, Goldenburg, V.B., Lee, P., Matthews, C., Baldwin, M, Schmidt, E., Seewaldt, V.L., "Disparities in the Pink: Screening and Supporting Sisters." Poster presented at the National Cancer Institutes "Cancer Health Disparities Summit 2006" on July 17, 2006 in Bethesda, MD.
- V. J. Oates, I. Tessaro, D Blocker, K. Kelsey, M. K. Campbell, "Natural Helpers in Health Promotion Programs: Who are they?" Poster presentation Intercultural Cancer Council Biennial Symposium April 19- 22, 2006.
- V. J. Oates, "Stories from Community Partners: Health Works in the Community." 20 Years of Progress: The Prevention Research Centers Program, Washington, DC. November 7, 2004.

ADVISORY COMMITTEES

Member, Advisory Council on Health-Agriculture Nexus, Foundation for Food and Agriculture Research (FFAR) 2022-2023
Board on Human Sciences - Board of Directors, Association of Public and Land-Grant Universities (APLU) 2021-2022
APLU Board on Agriculture Assembly (BAA) Committee on Legislation and Policy (CLP)

2022-2023

ACADEMIC COMMITTEES

Academic Suspensions Chairperson	2012
Service to Leadership Committee	2011
Family and Consumer Sciences Curriculum Committee	2011
Faculty Learning Committee: Student Writing Skills	2009

SERVICE COMMITTEES

Trustee, Board on Health and Human Sciences	2021-2024
President, 1890 Council of Association of Family and Consumer Sciences	2020-2022
Secretary, Council of Association of Family and Consumer Sciences	2021-2023
Secretary-Elect, Council of Association of Family and Consumer Sciences	2020-2021
TSU Committee to Plan for Endowed Chairs, Chair	2022
TSU International Student Recruitment Committee	2022
TSU University Tenure Revocation Committee	2019
TSU Policies and Procedures Committee, CAHNS	2016
Enhancing Student Success Advisement Consortium at TSU	2015
Family and Consumer Sciences Department Tenure and Promotion Committee	2014
TSU Selection Committee for Dean of College of Education	2013
TSU Alumni Relations and Annual Giving	2012-2014
TBR Faculty Subcouncil Member	2012-2014
Faculty Senate Chair	2013
Presidential Advisory Committee	2012
Faculty Senator, Chair-Elect	2012
Police Chief Selection Committee	2011

HONORS and AWARDS

Obesity Health Disparities PRIDE	2016-2018
<i>National Heart, Lung, and Blood Institute (NHLBI)</i>	
New Connections Third Annual Symposium Travel Award	2009
<i>Robert Wood Johnson Foundation, Princeton, NJ</i>	
Pink Zone Professor Award	2009
<i>Department of Athletics, Tennessee State University</i>	
CDC Minority Dissertation Research Fellowship	2003-2005
<i>Centers of Disease Control and Prevention (CDC)</i>	

PEER REVIEWER

Journal of the National Society of Allied Health
Health Education Research

COMMUNITY SERVICE

Miles J Freeman Scholarship Foundation Inc , Founding Board Member	2016-2018
Women On Maintaining Education and Nutrition (W.O.M.E.N) , Board Member	2012-2018
Aspire to Educate, Empower, Encourage (AE³) , Chair, Nashville, TN	2012-2017
Hope for Health of Middle Tennessee , Northwest YMCA, Nashville, TN	2012-2013
Saving Our Daughters , Mount Zion Baptist Church, Nashville, TN	2012-2013
Kids Eat Right – Fuel Up to Play 60 RD , Wright Middle School, Antioch, TN	2011-2012

PROFESSIONAL ASSOCIATIONS

• Academy of Nutrition and Dietetics	2006-2021
• American Association of Family and Consumer Sciences	2018-2021
• National Organization of Blacks in Dietetics and Nutrition	2006-2021
• American Diabetes Association	2018-2019
• American Psychological Society	2003-2004
• American Society of Preventive Oncology	2001-2003
• Council of Administrators of Family and Consumer Sciences	2019-2020
• Diabetes Care & Education Dietetic Practice Group	2015-2018

- Dietitians in Integrative & Functional Medicine Practice Group 2015-2016
- Durham-Chapel Hill Dietetic Association 2007-2008
- International Society of Behavioral Nutrition and Physical Activity 2010-2012
- National Organization of Blacks in Dietetics and Nutrition 2006-2019
- Nutrition Entrepreneurs Practice Group 2015-2016
- Public/Health Community Nutrition Dietetic Practice Group 2015-2016
- Society for Nutrition Education and Behavior 2016-2017
- Toastmasters International 2010-2017
- Weight Management Dietetic Practice Group 2015-2017

SKILLS:

- Nutrition DIScovery, Nutrient Data System (NDS), NutriTrack, Food Processor SQL
- Trello, NVivo, SPSS, EndNote, Empliant, Qualtrics
- Equidox, Prezi, InDesign, Publisher, Access
- MindTap, Desire-to-Learn, Blackboard, Turning Point, iClicker

CERTIFICATIONS:

- Registered Dietitian #996519
- TN Licensed Dietitian/Nutrition #2208
- NIH Office of Extramural Research Protecting Human Research Participants, September, 2010
- Heartsaver® First Aid Program, June 2007-June 2009
- Healthcare Provider CPR & AED Program, June 2007-June 2009
- ServSafe® Certification April 2007-April 2012
- Ethics Education Certificates, Duke University Health System, June 2006
- HIPAA Training Certificate, UNC School of Medicine, October 2005

GRADUATE COURSES TAUGHT

- Curriculum Development
- Introduction to Epidemiology
- Nutritional Epidemiology
- Race, Ethnicity, Gender & Healthcare
- Research Methods
- Sports Nutrition

UNDERGRADUATE COURSES TAUGHT

- Advanced Nutrition
- Assessment, Behavioral Change & Counseling
- Basic Nutrition
- Elementary Nutrition
- Introduction to Family and Consumer Sciences
- Life Span Nutrition
- Maternal and Child Nutrition
- Medical Nutrition Therapy
- Nutrition in the Global Community
- Senior Project

STUDENT MENTORING

- Abby Merha (Peer Educator, YAMS summer 2012)
- Amber Franklin (Research Intern, YAMS spring 2011 – summer 2011);
- Amber Greene (Undergraduate Intern / Camp Facilitator, YAMS, summer 2013);
- Anarra Williams (Undergrad Intern NSF Microgreens grant, 2021); Dean's Scholar; Ongoing
- Angela Curtis (Undergraduate Biology major, President of USNDA 2019-20);
- Auriel Amos (Undergraduate Intern, EXCITE, Dietetics student, 2020-2023t)
- Ashley Nunnally (Undergraduate Intern / Camp Facilitator, YAMS summer 2013);
- Ashontae Jackson (Undergraduate Intern / Camp Facilitator, YAMS summer 2013)
- Astrid Browne (Undergraduate Intern / Camp Facilitator, YAMS summer 2013)

- Brandon Glass (Agriculture Apprenticeship Student, summer 20
- Calandrea Williams (High School Peer Educator, YAMS summer 2012);
- Camille Farmer (Camp Facilitator, YAMS summer 2015);
- Corinthian Fletcher (Undergraduate Intern, CHEW summer 2012)
- Courtney Gipson (Undergraduate Intern, CHEW summer 2011 – fall 2011)
- Darnell Towns (Graduate Intern, CHEW spring 2013)
- Dashia Ramsey (Undergraduate Intern, EXCITE, Dietetics student, 2020-2023t)
- Deandra Sykes (Agriculture Apprenticeship Student, summer 2010)
- Delvin Jones Jr. (Undergraduate Intern / Camp Facilitator, YAMS summer 2013)
- Denzel Brown (Undergraduate Intern / Camp Facilitator, YAMS summer 2013);
- Desiree Robertson (Undergrad Intern/ Camp Facilitator, MS Thesis Defense Committee 2020)
- Desirai Settles (Undergrad Intern NSF Microgreens grant, 2021)
- Dione McFarland (Undergraduate Intern, EXCITE, CDFS student, 2022-2023t)
- Ebony Armstrong (Undergraduate Intern / Camp Facilitator, YAMS summer 2013)
- Elizabeth Bradford (Research Intern, YAMS spring 2012)
- Garrison Warren (Undergraduate Intern / Camp Facilitator, YAMS summer 2014);
- Gelila Feyisa (Undergraduate Intern, CHEW, fall 2011)
- Glenda Burns (Undergraduate Intern, CHEW, summer 2012)
- Giordan Rose (Undergraduate Biology major, Member of USNDA 2019-20);
- Helen Beard (Graduate Research Assistant, Strengthening YAMS, summer 2015 –present)
- Hillary Cartmell (Undergraduate Intern, YAMS fall 2013 – summer 2014)
- Iris Thicklin (Undergraduate Intern, CHEW spring 2012 – summer 2012)
- Jade Readus (Undergraduate Intern / Camp Facilitator, YAMS summer 2014)
- Jaela Payne (Undergraduate Biology major, Vice President of USNDA 2019-20);
- Jazton Hayes (High School Peer Educator, YAMS summer 2012)
- John King IV (Undergraduate Intern, EXCITE, Health Sciences, 2022-2023t)
- Jolynn Franklin (Camp Facilitator & Undergraduate Research Intern, YAMS summer 2013 – spring 2014)
- Jonas Hudnall (High School Peer Educator & Camp Facilitator, YAMS summers 2013 & 2015)
- Kaila Crenshaw (High School Peer Educator, YAMS summer 2012 & 2013)
- Kirsten Burney (Undergraduate Intern, FJLA & EXCITE, Dietetics student, 2021-2023t)
- LaShayna Wilder (Undergraduate student, SAND member 2018);
- Latrice Hill (Agriculture Apprenticeship Student, summer 2010)
- Martrae Goddard (Undergraduate Intern / Camp Facilitator, YAMS summer 2012)
- Mikaela Wiley (Undergraduate student, SAND member 2018); Ongoing
- Naffene Briscoe (Graduate Intern / Camp Facilitator, YAMS summer 2014)
- Nathaniel Jackson (Undergraduate Intern / Camp Facilitator, YAMS summer 2012)
- Nerissa Aquino (Graduate Intern, CHEW spring 2013)
- Olisa Menakaya (Undergraduate Intern, CHEW summer 2011)
- Phyllicia Hemphill (High School Peer Educator, YAMS summer 2012)
- Pamela Taylor (Undergraduate student founder of *SHE IS* student organization)
- Partryce Hunter (Camp Facilitator & Undergraduate Research Intern, YAMS summer 2012 – fall 2013)
- Patrick Speller (High School Peer Educator, YAMS summer 2012)
- Perrez Wilson (Undergraduate Intern, EXCITE, Biology, 2022-2023t)
- Peyton Williams Settles (Graduate Intern NSF Microgreens grant, 2021)
- Taino Smothers (High School Peer Educator, YAMS summer 2012)
- Tajane' Staples (Agriculture Apprenticeship Student, summer 2010)
- TaKeya Ball (Undergraduate dietetic student, ongoing)
- Trinidee Thomas (Undergraduate Intern, EXCITE, Dietetics student, 2020-2023t)
- Valentino Gray (Undergraduate Intern, CHEW summer 2011 – spring 2012; Camp Facilitator, YAMS summers 2012 - 2015);
- Veronica James (Undergraduate Intern, CHEW summer 2011)
- Virginia Hatchett (Undergraduate Intern / Camp Facilitator, YAMS summer 2013)
- Tamera Adjei (Evans-Allen Research Intern fall 2008 – spring 2009)
- Timothy Wright (Undergraduate Intern \ Camp Facilitator, YAMS summer 2013)



Commission on Dietetic Registration

the credentialing agency for the
Academy of Nutrition and Dietetics



CDR certifies that
Veronica J Oates
has successfully completed
requirements for dietetic registration.

PDF Copy

Signature

Registration I.D. Number

996519

Registration Payment Period

9/01/22 - 8/31/23

Registered Dietitian (RD)
Registered Dietitian
Nutritionist (RDN)

Christina Rollins,
MBA, MS, RDN, LDN, FAND, CNSC

Chair, Commission on Dietetic Registration

Curriculum Vita
HONGWEI SI

Address: 3500 John A. Merritt Blvd.

Department of Human Sciences

Tennessee State University, Nashville, TN 37209-1561. Email: hsi@tnstate.edu.

Homepage: http://www.tnstate.edu/agriculture/resumes/hongwei_si.aspx

EDUCATION

Postdoc Human Nutrition, Foods and Exercise, Virginia Polytechnic Institute and State University, Blacksburg, VA . (September 2010)

Ph.D. Human Nutrition, Foods and Exercise, Virginia Polytechnic Institute and State University, Blacksburg, VA (December 2007)

Dissertation: Mechanisms of soy isoflavones in the regulation of vascular function

M.S. Microbiology and Immunology, Gansu Agriculture University, Lanzhou, China (June 1998)

DVM (B.S.) Veterinary Medicine, Gansu Agriculture University, Lanzhou, China (June 1995)

PROFESSIONAL POSITIONS

- Associate Professor, Tennessee State University, Nashville, TN (July 2016-present)
- Assistant Professor, Tennessee State University, Nashville, TN (2010-2016)
- Postdoctoral Associate, Virginia Polytechnic Institute and State University, Blacksburg, VA. (January 2008-Sept.2010)
- Associate Director, Infectious Disease Detection Laboratory. Qingdao Animal Husbandry and Veterinary Institute, Qingdao, China. (2001-2004)
- Research Specialist, Infectious Disease Detection Laboratory. Qingdao Animal Husbandry and Veterinary Institute, Qingdao, China. (1998-2001)

HONORS

2013 Outstanding Young Researcher, Tennessee State University

2007 Hepler Fellowship, Virginia Polytechnic Institute and State University

2004-07 John Lee Pratt Fellowship, Virginia Polytechnic Institute and State University

RESEARCH INTERESTS

- Identification and characterization of bioactive food compounds in the prevention of chronic diseases such as cardiovascular disease, obesity and diabetes, and prolong of healthy lifespan
- Understanding the comprehensive and integrative relationship among nutrients, lifestyle and health

- Development of preventive/therapeutic strategies and approaches to treat and prevent chronic diseases and strengthen health life

RESEARCH SUPPORT (Current and Recent Completed)

1. AFRI Foundation Program (NIFA/USDA) 3/1/2018-2/29/2020
Title: Anti-inflammatory and anti-sarcopenia effects and mechanisms of dietary blueberry intake in aged mice feed a standard diet
Role: PI
2. AFRI Foundation Program (NIFA/USDA) 3/1/2017-2/29/2021
Title: APOA2 gene, diet, inflammation and gut Health
Role: Co-Investigator
3. Capacity Building Program (NIFA/USDA) 2/1/2018-1/31/2020
Title: Professional development in microRNA and nutrition research using human subjects
Role: PI
4. San Antonio Nathan Shock Center 7/1/2018 - 6/30/2019
Title: Anti-aging effect of dietary epicatechin in mice: pathological analysis
Role: PI
5. Northharvest Bean Growers Association 3/1/2017 - 2/28/2020
Title: Anti-sarcopenia effect and mechanisms of bean-derived epicatechin in satellite cells and aged C57BL/6 mice
Role: PI
6. 1890 Faculty Fellowship (NIFA/USDA). 9/1/2016 - 6/30/2018
Title: Molecular mechanisms of dietary cocoa epicatechin in extending lifespan and improving skeletal muscle function in aged mice
Role: PI
7. Soy Health Research Program. 10/1/2015 - 9/30/2019
Title: Anti-inflammatory effects of combinations of soy genistein, green tea EGCG and/or grape resveratrol in preventing diabetes-induced vascular inflammation
Role: PI
8. Trojan Technologies 1/1/2019-12/31/2019
Title: Evaluate the impact of ultraviolet treatment on the toxicity of liquid foods using mammalian cells
Role: Co-PI
9. TENX-1506-FS (USDA) 10/1/ 2015-9/31/2018
Title: Cocoa and its bioactive epicatechin extend lifespan in aging mice fed a standard diet
Role: PI
10. NC_TEMP1039 (USDA) 10/1/2012-9/30/2017
Title: N-3 polyunsaturated fatty acids and human health and disease
Role: Co-PI
11. TENX-2011-0255 (USDA) 9/1/2011-8/31/2015
Title: American ginseng and childhood obesity: the effects and mechanisms in mice and preadipocytes
Role: PI

12. TENX-1103-FS (USDA)

1/1/ 2011-8/31/2014

Title: How does cocoa epicatechin improves vascular health and prolongs lifespan

Role: PI

REFEREED JOURNAL ARTICLES/BOOK CHAPTERS

International and national journals/book chapters (Selected from 45) (*: corresponding author)

1. Lijuan Zhang, Carlos Virgous, **Si Hongwei***. (2019) Synergistic anti-inflammatory effects and mechanisms of combined phytochemicals. Journal of Nutritional Biochemistry DOI: 10.1016/j.jnutbio.2019.03.009
2. **Hongwei Si***, Xiaoyong Wang, Longyun Zhang, Laurence D. Parnell, Bulbul Admed, Tanya LeRoith, Twum-Ampofo Ansah, Lijuan Zhang, José M. Ordovás, Hongzong Si, Dongmin Liu, Chao-Qiang Lai. (2019) Dietary epicatechin improves survival and skeletal muscle function in aged C57BL/6 mice. FASEB Journal 33(1):965-977
3. Zhang LJ, Wang XY, **Si Hongwei** (2018) Combined polyphenols synergistically inhibit tumor necrosis factor-alpha-induced monocytes adhesion to human endothelial cells. Circulation Research. 121:A474
4. Vybhav Vipul Sudhir Gopisetty, Ankit Patras, Bharat Pokharel, Agnes Kilonzo-Nthenge, Lijuan Zhang, **Hongwei Si**, Michael Sasges, Brahmaiah Pendyala, Ramasamy Ravi. (2019) UV-C Irradiation as an alternative treatment technique: Study of its effect on microbial inactivation, cytotoxicity, and sensory properties in cranberry-flavored water. Innovative Food Science and Emerging Technologies, 52:66-74
5. Jing Luo, Wei Zhen, Aihua Wang, Yao Wang, Hana Alkhalidy, **Hongwei Si**, Zhenquan Jia, Elizabeth Gilbert, Zhiyong Cheng, Bin Xu, Dongmin Liu. (2018) Phytonutrient genistein is a survival factor for pancreatic β -cells via GPR30-mediated Mechanism. Journal of Nutritional Biochemistry. doi: 10.1016/j.jnutbio.2018.04.018
6. Yixiang Xu, Arrieyana Cartier, Amber Porter, Kate Lalancette, Zaid Abraha-Eyob, Edward N. Sismour, **Hongwei Si**, Xiaoyong Wang, Nasreen Rehmani, Leonard Githinji. (2018) Bioactive compounds and biological activity of extracts from Virginia-grown sweet potatoes affected by different cooking methods. Journal of Food Measurement and Characterization. doi.org/10.1007/s11694-018-9876-3
7. **Hongwei Si***. (2018) Indoor air pollution, lung cancer and solutions. Cancer Cell Research, 19: 464-470
8. Zhang LY, Zhang LJ, Wang XY, **Si Hongwei***. (2017) Anti-obesity effects and mechanisms of ginsenoside Rg3 in pre-adipocytes and obese mice. Frontiers in Pharmacology. 10.3389/fphar.2017.00113.
9. Zhang LY, **Si Hongwei***. (2017) Ginseng and obesity: Observations and understanding in cultured cells, animals and humans. Journal of Nutritional Biochemistry. 23(44):1-10
10. Ahmed B, Liu S, **Si Hongwei***. (2017) Anti-adipogenic effects and mechanisms of combinations of genistein, epigallocatechin-3-gallate and/or resveratrol in pre-adipocytes. Journal of Medicinal Food. 20(2), 162-170

11. **Si Hongwei*** (2015) Corn oil and aging: insights from basic research. Corn and Coconut Oil: Antioxidant, Properties, Uses and Health Benefits. Nova Science Publishers, New York. Chapter 5:
12. Jia Z, Nallasamy P, Liu D, Shah H, Li Z, Chitrakar R, **Si Hongwei**, McCormick J, Zhu H, Zhen W, Li Y. (2015) Luteolin protects against vascular inflammation in mice and TNF-alpha-induced monocyte adhesion to endothelial cells via suppressing IKB α /NF- κ B signaling pathway. Journal of Nutritional Biochemistry. 26(3):293-302
13. **Si Hongwei***, Zhang L, Liu S, LeRoith T, Virgous C. (2014) High corn oil dietary intake improves health and longevity of aging mice. Experimental Gerontology. 58:244-249
14. **Si Hongwei***, Liu D. (2014) Dietary anti-aging phytochemicals and mechanisms associated with prolonged survival. Journal of Nutritional Biochemistry. 25 (6):581-91
15. Nallasamy P, **Si Hongwei**, Velayutham A, Pan D, Fu Y, Brooke E, Shah H, Zhen W, Zhu H, Liu D, Li Y, Jia Z. (2014) Sulforaphane reduces vascular inflammation in mice and prevents TNF-alpha-induced monocyte adhesion to primary endothelial cells through interfering with the NF-kappa B pathway. Journal of Nutritional Biochemistry. 25 (8):824-33
16. **Si Hongwei***, Wyeth R, Liu D. (2014) Flavonoid luteolin increases vasodilatation through promoting the activity of nitric oxide synthase. European Journal of Nutrition. 53(1):269-75
17. Jia Z, Babu PV, **Si Hongwei**, Nallasamy P, Zhu H, Zhen W, Misra HP, Li Y, Liu D, Zhu H, Li Y, Saha S, Misra HP, Liu D. (2013) Genistein inhibits TNF- α -induced endothelial inflammation through the protein kinase pathway A and improves vascular inflammation in C57BL/6 mice. International Journal of Cardiology. 168(3):2637-45
18. **Si Hongwei**, Liu D. (2012) Phytoestrogen genistein up-regulates human endothelial nitric oxide synthase expression through activation of PKA/CREB pathway. Endocrinology. 153 (7):3190-3198
19. **Si Hongwei**, Velayutham A, Liu D. (2012). Genistein prevents endothelial dysfunction in db/db mice by reducing vascular inflammation Journal of Nutrition. 142(4):724-730
20. Velayutham A, **Si Hongwei**, Liu D. (2012). Epigallocatechin gallate reduces vascular inflammation in db/db mice possibly through an NF- κ B-mediated mechanism. Molecular Nutrition and Food Research. 56(9): 1424-1432
21. Wang A, **Si Hongwei**, Liu D, Jiang H (2012) Butyrate activates the cAMP-protein kinase A-cAMP response element-binding protein signaling pathway in caco-2 cells. Journal of Nutrition. 142(1):1-6
22. **Si Hongwei**, Fu Z, Babu PV, Zhen W, Leroith T, Meaney MP, Voelker KA, Jia Z, Grange RW, Liu D. (2011) Dietary epicatechin promotes survival of obese diabetic mice and drosophila melanogaster. Journal of Nutrition. 141(6):1095-1100
23. Guri, AJ, Hontecillas R, Ferrer G, Casagran O, Liu D, **Si Hongwei** and Bassaganya-Riera J. (2010) Abscisic acid ameliorates atherosclerosis by suppressing macrophage and CD4(+) T cell recruitment into the aortic wall. Journal of Nutritional Biochemistry. 21(12):1178-1185
24. **Si Hongwei**. Liu D. (2009) Genistein protects against tumor necrosis factor-alpha-induced apoptosis of human endothelial cells through activation of p38 MAP kinase. Apoptosis. 14:66-76
25. **Si Hongwei**. Liu D. (2008) Genistein, a soy phytoestrogen, up-regulates the expression of human endothelial nitric oxide synthase and lowers blood pressure in spontaneously hypertensive rats. Journal of Nutrition. 138:297-304.

26. Guri, AJ, Hontecillas R, Ferrer G, Casagran O, Wankhade U, Noble A.M, Eizirik D, Ortis F, Cnop M, Liu D, **Si Hongwei** and Bassaganya-Riera J. (2008) The loss of PPAR γ in immune cells abrogates the ability of abscisic acid to improve insulin sensitivity through a mechanism involving suppression of MCP-1 expression and macrophage infiltration into white adipose tissue. Journal of Nutritional Biochemistry. 19(4):216-228
27. Liu D, **Si Hongwei**, Reynolds KA, Wei Z, Jia Z, Dillon JS. (2007) Dehydroepiandrosterone protects vascular endothelial cells against apoptosis through a Gi-protein-dependent activation of phosphatidylinositol 3-Kinase/Akt and regulation of anti-apoptotic bcl-2 expression. Endocrinology 148(7):3068-3076
28. **Si Hongwei**. Liu D. (2007) Phytochemical genistein in the regulation of vascular function: new insights. Current Medicinal Chemistry. 14 (24):2581-2589
29. Guri AJ, Hontecillas R, **Si Hongwei**, Liu D, Bassaganya-Riera J. (2007) Dietary abscisic acid ameliorates glucose tolerance and obesity-related inflammation in db/db mice fed high-fat diets. Clinical Nutrition. 26(1):107-116
30. Liu D, Zhen W, Yang Z, Carter JD, **Si Hongwei**, Reynolds KA. (2006) Genistein acutely stimulates insulin secretion in pancreatic beta-cells through a cAMP-dependent protein kinase pathway. Diabetes. 55(4):1043-1050

ABSTRACTS/PRESENTATIONS (Selected from 46)

- 1 **Hongwei Si**, Xiaoyong Wang, Chao-Qiang Lai. (2019) Epicatechin reverses aging-induced skeletal muscle dysfunction and prolongs lifespan in mice. ACS Fall 2019 National Meeting, San Diego, CA
- 2 Hongwei Si, Longyun Zhang, Bulbul Ahmed, Xiaoyong Wang, José M. Ordovás, Chao-Qiang Lai. (2018) Dietary Epicatechin Improves Survival and Skeletal Muscle Function via Multiple Mechanisms in Aged Mice. The Gerontological Society of America 2018 Annual Scientific Meeting, Boston, MA
- 3 **Hongwei Si**, Longyun Zhang, Bulbul Ahmed, Xiaoyong Wang, José M. Ordovás, Chao-Qiang Lai. (2018) Dietary Epicatechin Improves Survival and Skeletal Muscle Function via Multiple Mechanisms in Aged Mice. The Gerontological Society of America 2018 Annual Scientific Meeting, Boston, MA
- 4 **Si Hongwei**. (2018) How do functional foods prevent chronic diseases? 4th International Conference on Agricultural and Biological Sciences, Hangzhou, China
- 5 **Si Hongwei**. (2017) Functional foods and chronic diseases: Current insights. The 2nd International Conference on Biomedical and Biological Engineering. Guilin, China
- 6 Wang X, **Si Hongwei** (2017) Anti-cancer effects and molecular mechanisms of luteolin and curcumin in breast cancer. San Antonio Breast Cancer Symposium. San Antonio, TX
- 7 Zhang L, **Si Hongwei** (2017) Combined polyphenols synergistically inhibit tumor necrosis factor-alpha-induced monocytes adhesion to human endothelial cells. Basic Cardiovascular Sciences Scientific Sessions 2017. Portland, OR
- 8 Wang X, **Si Hongwei** (2017) Synergistic anti-cancer effects of combined phytochemicals in breast cancer. Institute of Food Technologists Volunteer Section 2017 Spring Meeting. Nashville, TN

- 9 Zhang L, **Si Hongwei** (2017) Synergistic effects of curcumin and luteolin, curcumin and resveratrol combination on anti-inflammatory activity in human endothelial cells. Institute of Food Technologists Volunteer Section 2017 Spring Meeting. Nashville, TN
- 10 Wang X, **Si Hongwei** (2017) Anti-cancer effects and molecular mechanisms of phytochemicals in breast cancer cells. ARD Research Symposium 2017 Atlanta, GA
- 11 Zhang L, **Si Hongwei** (2017) Synergistic anti-inflammatory effects of combined phytochemicals in human endothelial cells. ARD Research Symposium 2017 Atlanta, GA
- 12 **Si Hongwei**. (2016) Phytochemicals and aging: Current insights. International Summit on Probiotic Health and Nutraceuticals. Baltimore, MD
- 13 Ahmed B, **Si Hongwei**. (2016) Additive anti-adipogenic effect of combinations of genistein, EGCG and/or resveratrol in pre-adipocytes. USG'S International Conference on Obesity and Chronic diseases. Las Vegas, NV
- 14 Wang X, **Si Hongwei** (2016) Preventive effects and molecular mechanisms of flavonoids in breast cancer. Snowmass, CO
- 15 Zhang L, **Si Hongwei** (2016) Anti-inflammatory effects of phytochemicals combinations on cardiovascular diseases. 38th Annual University-Wide Research Symposium. Nashville, TN
- 16 Wang X, **Si Hongwei** (2016) Preventive effects and molecular mechanisms of phytochemicals in breast cancer. 38th Annual University-Wide Research Symposium. Nashville, TN
- 17 Zhang L, **Si Hongwei**. (2015) Ginseng and its ginsenosides Rg3 and Rh2 inhibit the lipid accumulation by suppressing PPAR gamma/C/EBP alpha pathways. 18th Functional and Medical Foods for Chronic Diseases: Bioactive Compounds and Biomarkers. Boston, MA
- 18 Zhang L, Ahmed B, Wang X, Ansah T, **Si Hongwei**. (2015) Cocoa epicatechin extends lifespan and promotes health in aged C57/BL mice. 44th American Aging Association Annual Meeting, Marina del Rey , CA
- 19 Ahmed B, **Si Hongwei**. (2015) Combinations of genistein, EGCG and/or resveratrol synergistically inhibit pre-adipocyte differentiation by suppressing PPAR- γ /C/EBP- α pathway. 37th Annual University-Wide Research Symposium. Nashville, TN
- 20 **Si Hongwei**, Zhang L. (2014) American ginseng and its bioactive compounds inhibit preadipocyte differentiation by suppressing peroxisome proliferator-activated receptor gamma in 3T3-L1 cells and human primary preadipocytes. Experimental Biology Annual Meeting. San Diego, CA
- 21 Zhang L, **Si Hongwei**. (2014) Ginsenoside Rg3 inhibits cell differentiation by suppressing PPAR-gamma/C/EBP signaling pathway in 3T3-L1 cells. 36th Annual University-Wide Research Symposium. Nashville, TN
- 22 **Si Hongwei**, Zhang L, Virgous C. (2013) Berry flavonoid epicatechin extends lifespan in aging mice via improving physical activity, inflammation and antioxidants. 2013 Berry Health Benefits Symposium. Charlotte, NC
- 23 **Si Hongwei**, Chen F, Nahashon S. (2012) American ginseng and childhood obesity. Capacity Building Grants Program Project Director's Meeting 2012. Huntsville, AL
- 24 Liu D, **Si Hongwei**, Jiang H. (2012) Phytoestrogen genistein up-regulates endothelial nitric oxide synthase expression via activation of cAMP-responsive element-binding protein in human aortic endothelial cells. Experimental Biology Annual Meeting. San Diego, CA
- 25 **Si Hongwei**, Wyeth R, Liu D. (2011) Phytochemical luteolin increases vasorelaxation through

- regulating intracellular calcium release and nitric oxide production. Arteriosclerosis, Thrombosis, and Vascular Biology Annual Conference 2011. Chicago, IL
- 26 **Si Hongwei**, Velayutham A, Liu D. Genistein at physiological concentration prevents enhanced monocytes adhesion to endothelium through suppression of proinflammatory cytokines and activation of anti-inflammatory cytokines in obese diabetic mice. Arteriosclerosis, Thrombosis and Vascular Biology Annual Conference 2010. San Francisco, CA.
- 27 Velayutham A, **Si Hongwei**, Liu D. Epigallocatechin gallate improve diabetic vascular inflammation by preventing endothelial cell-monocyte interaction and reducing inflammatory cytokines in diabetic db/db mice possibly through suppression of Nuclear Factor- κ B. Arteriosclerosis, Thrombosis and Vascular Biology Annual Conference 2010. San Francisco, CA
- 28 Wang A, **Si Hongwei**, Liu D, Jiang H. Butyrate Stimulates the cAMP/Protein Kinase A Signaling Pathway. The 2010 Annual Meetings of the American Dairy Science Association, Poultry Science Association, Asociación Mexicana de Producción Animal, Canadian Society of Animal Science, American Society of Animal Science, and ASAS Western Section, Denver, CO,

TEACHING

Graduate Students as the Major Advisor

- Longyun Zhang (PhD student , Graduated 2016, now postdoctoral fellow at University of Louisville)
- Bulbul Ahmed (MS student, Graduate 2013, now PhD student at Auburn University)
- Lijuan Zhang (PhD student, Graduated 2018, now postdoctoral fellow at Tennessee State University)
- Xiaoyong Wang (PhD student, Graduated 2018, now postdoctoral fellow at Vanderbilt University)
- Anita Scales (PhD student since 2018)
- Antia Shrestha (MS student, since 2018)

Graduate Students as a Advisor Committee Member

- Li Wang (PhD student)
- Collins Khwatenge (PhD student)
- Bipradas Roy (MS student)

Courses Taught

- NUFS 4560 Functional Foods and Nutraceuticals (Undergraduate level, in class)
- NUFS 3350 Life Span Nutrition (Undergraduate level, in class)
- NUFS 2110 Elementary Nutrition (Undergraduate level, online and in class)
- NUFS 4110 Advanced Human Nutrition (Undergraduate level)
- HNFE-5114 Vitamins and Minerals (Graduate level)
- HNFE-4984 USDA Scholars 2010 (Undergraduate level)
- NUFS-4530 Medical Nutrition Therapy (Undergraduate level)
- Immunology (Undergraduate level)

- Microbiology laboratory (Undergraduate level)

PROFESSIONAL SERVICES

- Standing Editor, Journal of Cardiovascular Disease Research (2009-present)
- Reviewer of Grants Proposals/Manuscripts
 - AHA Postdoctoral Fellowship
 - AHA Beginning Grant-In-Aid
 - Jeffress Memorial Trust
 - NSF graduate research program
 - USDA/ NIFA Foundational program
 - Apoptosis
 - British Journal of Nutrition
 - Current Medicinal Chemistry
 - Journal of Agricultural and Food Chemistry
 - Journal of Nutritional Biochemistry
 - Lipids
 - Metabolism
 - Molecular and Cellular Biochemistry
 - Molecular Nutrition
 - Molecules
 - Neuroscience Letters
 - Nutrition
 - Pharmaceuticals
 - Phytomedicine
 - PLUS ONE
 - Sports Medicine

PROFESSIONAL MEMBERS

- American Heart Association (2007-present)
- American Society for Nutrition (2007-present)
- American Diabetes Association (2008-present)

SERVICES AT UNIVERSITY, COLLEGE AND DEPARTMENT

- Faculty Benefits and Welfare Committee (2015- present), Tennessee State University
- Institutional Animal Care and Use Committee (2012- present), Tennessee State University
- Faculty search committees (2012-present), Tennessee State University
- Departmental Policy Committee (2014-present), Department of Human Sciences, Tennessee State University
- Student Affairs Committee (2010-present), Department of Human Sciences, Tennessee State University
- Curriculum Committee (2012-present), Department of Human Sciences, Tennessee State

University

- Advisory board member (2009-2010), Virginia Tech Postdoctoral Association

LATASHA WILLIAMS

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PROFESSIONAL PREPARATION

2022	Ph.D., Nutrition Science, North Carolina State University
2013	M.S., Nutrition, Meredith College
2008	R.D., Dietetic Internship, North Carolina State University
2007	B.S., Food & Nutrition, North Carolina Central University
2001	B.S., Textile Chemistry, North Carolina State University

RESEARCH EXPERIENCE

2020-2021	Graduate Research Assistant , North Carolina State University, Understanding and Addressing the Roots of Child Food Security: A Qualitative Longitudinal Analysis – Voices Into Action. Transcription, data cleaning and analysis, and nutrient analysis using the Nutrient Data System for Research software (NDSR).
2018-2020	Graduate Research Assistant , North Carolina State University, School of Design Natural Learning Initiative – Childcare Outdoor Learning Environments as Active Food Systems – Nutrition and food service content expert for writing research protocols.
2011-2016	Registered Dietitian/Nutritionist , Carolina Advanced Health, pilot practice collaboration between UNC Hospitals and Blue Cross Blue Shield of North Carolina, Chapel Hill, NC – Data collection for disease registries and Patient Centered Medical Home (PCMH) certification.
2013-2015	Registered Dietitian/Nutritionist , Centers for Disease Control Diabetes Prevention Program, Chapel Hill, NC – Data collection for national database and PCMH certification.

TEACHING EXPERIENCE

2022-Present	Assistant Professor , Tennessee State University, Nashville, TN – Elementary Nutrition and Nutrition Assessment, Behavior Change, and Counseling
2019-2021	Peer Scholars Program , North Carolina State University, Raleigh, NC – D.H. Hill Libraries event series: Using the Power of PowerPoint
2018-2021	Graduate Teaching Assistant , North Carolina State University, Raleigh, NC – Food and Culture
2015	Adjunct Lecturer/Instructor , North Carolina Central University, Durham, NC – Introduction to Human Nutrition

CLINICAL EXPERIENCE

2011-2017	Outpatient Dietitian , <i>Carolina Advanced Health, Chapel Hill, NC</i> Guided patients towards their health goals using medical nutrition therapy and motivational interviewing. Delivered the Centers for Disease Control and Prevention's National Diabetes Prevention lifestyle change in person and online.
2010-2011	Campus Residential Dietitian , <i>University of Chapel of Chapel Hill, Chapel Hill, NC</i> Coordinated with the culinary staff to plan, review, revise a four-week menu cycle using menu building software and ESHA nutrition analysis database. Partnered with the sustainability coordinator, campus health dietitian, and campus sports dietitians to promote nutrition awareness on campus.

- 2010-2013 **Nutrition Consultant**, *Institute of Lifestyle and Weight Management, Raleigh, NC*
Collaborated with a multidisciplinary team for an integrative approach to wellness. Interpreted Health Risk Assessments for worksite wellness participants to explain their current state of health and schedule follow up appointments.
- 2008-2010 **Clinical Dietitian**, *Sodexo, North Carolina, South Carolina, and Georgia*
Provided nutrition screening, assessment, and education in all areas of the hospital. Communicated with nurses, the diet office, and other ancillary staff to improve patient satisfaction. Collaborated with an interdisciplinary team to provide bariatric surgical candidates with a consultation, diet education, and nutrition counseling.

PUBLICATIONS/PRESENTATIONS

- 2021 Abstract: Registered Dietitian Nutritionists' Perceptions of Helping Mothers Gain Sustainable Access to Healthy Foods, Society for Nutrition Education and Behavior, Indianapolis, IN
- 2021 Putting Food on the Table: Moving Beyond Food Security Towards Building an Equitable and Inclusive Food System, North Carolina Academy of Nutrition and Dietetics, Online Webinar Presentation
- 2015 Nutrition Matters, African American Conference for Multiple Sclerosis, National Multiple Sclerosis Society, Cary, NC
- 2007 Nutrition Education: School Lunches, Vending, Gardens, and Health Education, Poster Session, North Carolina Dietetic Association, Raleigh, NC

AWARDS & HONORS

- 2021 The Society for Nutrition Education and Behavior Higher Education PhD Student Research Award, Indianapolis, IN
- 2020-2021 Robert H. Hartman Graduate Fellowship, Department of Food, Bioprocessing, and Nutrition Sciences, Raleigh, NC
- 2020 The Food & Nutrition Conference & Expo attendance scholarship, The National Organization of Blacks in Dietetics & Nutrition, Chicago, IL
- 2019 Wolf of the Week: Stories from the Field, North Carolina State University, The Graduate School, Raleigh, NC
- 2018-2021 Dr. Wanida Lewis Food Science Fellowship, Department of Food, Bioprocessing, and Nutrition Sciences, Raleigh, NC
- 2017-2021 Diversity Enhancement Grant, UNC Campus Scholarship Program & Diversity Graduate Assistance Grant, North Carolina State University, Raleigh, NC
- 2007/2008 Outstanding Academic Achievement Award, Department of Health and Human Services, North Carolina Central University, Durham, NC
- 2006/2007 Outstanding Student Award, Department of Health and Human Sciences, North Carolina Central University, Durham, NC

LICENSES & CERTIFICATIONS

- 2021 **Teaching and Communication Certificate**, The Graduate School at North Carolina State University, Raleigh, NC

2008-Present	Dietetic Registration , Commission on Dietetic Registration, Credentialing Agency for the Academy of Nutrition & Dietetics, Chicago, IL
2008-Present	Licensed Dietitian/Nutritionist , The North Carolina Board of Dietetics/Nutrition, Raleigh, NC
2005-Present	Certified Jazzercise Instructor , Jazzercise Incorporated, Carlsbad, CA
2013	Certificate of Completion – Lifestyle Coach Training, Diabetes Training and Technical Assistance Center, Emory University, Atlanta GA
2012	Certificate of Training in Adult Weight Management , Commission on Dietetic Registration, Savannah, GA

PROFESSIONAL ACTIVITIES/SERVICE

2021-2022	North Carolina Academy of Nutrition & Dietetics Strategic Planning Committee , Raleigh, NC
2019-2020	Graduate Coordinator , Nutrition Understanding Through Service (NUTS), North Carolina State University, Raleigh, NC
2019-2021	Graduate Student Representative , Department of Food, Bioprocessing, and Nutrition Sciences, North Carolina State University, Raleigh, NC
2019-2020	Preparing the Professoriate , North Carolina State University, Raleigh, NC
2016-2018	Bridge the Gap Mission , Nonprofit Organization, Raleigh, NC
2015-2021	Dietetic Internship Selection Committee , North Carolina Central University, Durham, NC
2008-2021	Member, Advisory Board of the Dietetics Program , North Carolina Central University, Durham, NC
2016-2017	Co-Chair, UNC Healthcare Ancillary Allied Health Credentialing Committee , UNC Physicians Network, Chapel Hill, NC

Commission on Dietetic Registration

the credentialing agency for the Academy of Nutrition and Dietetics

Credential Verification

This certifies that

Latasha D Williams, #1005166

has met all appropriate academic, supervised practice (minimum 900 hours), verification and examination requirements as established by the Commission on Dietetic Registration through completion of an Accreditation Council for Education in Nutrition and Dietetics accredited/approved supervised practice program, is in good standing, and is entitled to use the credential "Registered Dietitian Nutritionist" "RDN" or "Registered Dietitian" "RD"

**beginning 09/09/2008, the original date of registration,
through the period ending 03/31/2022**



**Tracy Petrillo, EdD, RDN, CAE
Executive Director**

Date: 07/20/2021



Commission on Dietetic Registration
120 South Riverside Plaza, Suite 2000
Chicago, IL 60606
312/899-0040, extension 5500
cdr@eatright.org



FEM Graduate Program Director position description includes ACEND responsibilities and clearly specifies the amount of time allocated for program management

The Department of Human Sciences in the College of Agriculture at Tennessee State University is seeking an energetic individual who is passionate about helping others learn and is dedicated to serving students to direct and teach in the Graduate Dietetic Program.

Position Description: The Director of the TSU Graduate Program in Dietetics is responsible for overseeing all aspects of the graduate program in dietetics and works closely with the Director of the Didactic Program in Dietetics, faculty, and departments to provide a quality academic program. The Graduate Program Director oversees the instruction and assessment of the educational and experiential competency-based learning activities for students in the Masters of Sciences dietetic program. The GP director will supervise the Experiential Program Coordinator who oversees educational and experiential competency-based student learning activities within the competency-based Masters of Sciences dietetic program to ensure a productive, challenging classroom and field experiences that prepare students for the workplace, research, and passing the examination to become a Registered Dietitian. The GP Director will advise dietetic students, keep accurate records of student performance, ensure and maintain compliance with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) standards, teach graduate courses, and participate in department and college committees, as assigned.

Job Responsibilities: Implementing dynamic student recruitment, admission, advising and mentoring programs; assisting with program outreach, including publicity, community relations, advisory committee membership and meetings, external funding opportunities, and campus events; teaching graduate courses in nutrition and/or food service management; developing instructional innovations to ensure program success; conducting on-going program evaluation and program review; preparing and submitting required documents to ACEND; preparing and monitoring MOUs and preceptor sites; maintaining current knowledge of the professional discipline and educational methodologies through continuing professional development; working cooperatively toward mutual goals with other program faculty and with the Department and College Administration. Teaching is 60% and Administrative duties, including student advisement, is 40% of the position.

Minimum Requirements: Doctoral degree in Nutrition, Dietetics or related field. Registered Dietitian with a minimum of three years post-credentialing work experience required. Evidence of ability to develop a professional rapport with diverse school/campus constituents desirable. Teaching experience and experience working with program accreditation standards desirable.