

A MEMORANDUM

DATE: December 20, 2022
TO: Academic Deans Council
FROM: Dr. Andy Perkins
UCCC Chair
RE: Change Notice 4

Listed below are curriculum change proposals which have been recommended by the University Committee Courses and Curricula. Under current procedure, members of the Academic Deans Council may question the approval of these proposals at any time prior to 5:00 p.m. on January 13, 2023 by contacting Dr. Andy Perkins (5-0004) or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered approved automatically.



1. Course Proposals by college/school

ACADEMIC AFFAIRS

<p>Addition +Online/Distance +Meridian</p>	<p><u>HCA 3103</u></p>	<p>Approved</p>	<p>HCA 3103 Health Information Systems. (3). (Prerequisite: Junior standing). Three hours lecture. A survey of the components, functions, and processes of Information Systems and applications in healthcare organizations. Method of Instruction: C Method of Delivery: F, I, & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Health Information Systems Effective: Spring 2023</p>
<p>Addition +Online/Distance +Meridian</p>	<p><u>HCA 3113</u></p>	<p>Approved</p>	<p>HCA 3113 Managing Healthcare Organizations. (3). (Prerequisites: junior standing or permission of the instructor). Three hours lecture. Management principles for large and small healthcare organizations including the fundamental principles of planning, organizing, and leading. Method of Instruction: C Method of Delivery: F, I, & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Managing Healthcare Orgs Effective: Spring 2023</p>
<p>Addition +Online/Distance +Meridian</p>	<p><u>HCA 3123</u></p>	<p>Approved</p>	<p>HCA 3123 Healthcare Economics. (3). (Prerequisites: EC 2123). Three hours lecture. The United States healthcare system and healthcare organization management from an applied economics perspective; topics include costs, profit maximization, pricing, market structure, and government intervention. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Healthcare Economics Effective: Spring 2023</p>

Addition +Online/Distance +Meridian	<u>HCA 3133</u>	Approved	HCA 3133 Healthcare Logistics and Supply Chain Management. (3). (Prerequisite: Junior standing). Three hours lecture. A general survey of the key concepts of healthcare logistics and supply chain management including purchasing, operations, inventory management, demand forecasting, and performance analysis. Method of Instruction: C Method of Delivery: F, I, & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Hcare Logistics & Supply Chain Effective: Spring 2023
Addition +Online/Distance +Meridian	<u>HCA 3203</u>	Approved	HCA 3203 Healthcare Marketing. (3). (Prerequisite: Junior standing). Three hours lecture. This course explores the principles of marketing and their application in healthcare. Students will learn the essential elements of marketing strategies, including the marketing environment, customer behavior, STP, and the four Ps and their roles in healthcare industries. Method of Instruction: C Method of Delivery: F, I, & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Healthcare Marketing Effective: Spring 2023
Addition +Online/Distance +Meridian	<u>HCA 3513</u>	Approved	HCA 3513 Human Resource Management in Healthcare. (3). (Prerequisite: Junior standing or consent of instructor). Three hours lecture. Development of efficient programs for managing human resources in large and small healthcare settings. Emphasizes ethics, equal employment opportunity, performance evaluation, recruitment, selection, education, training, labor relations, resources and capabilities, safety, and health. Method of Instruction: C Method of Delivery: F, I, & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Hum Resource MGT in Healthcare Effective: Spring 2023

<p>Addition +Online/Distance +Meridian</p>	<p><u>HCA 4103</u></p>	<p>Approved</p>	<p>HCA 4103 Quality Management & Process Improvement in Healthcare. (3). (Prerequisite: BQA 2113 or ST 2113 or equivalent). Three hours lecture. Concepts of monitoring and evaluating the quality and appropriateness of patient care and services provided in health care organizations; management tools and modeling techniques for improvement of clinical processes and decision-making. Method of Instruction: C Method of Delivery: F, I, & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Qual Mgmt & Proc Improv in HC Effective: Spring 2023</p>
<p>Addition +Online/Distance +Meridian</p>	<p><u>HCA 4123</u></p>	<p>Approved</p>	<p>HCA 4123 Introduction to Health Informatics. (3). (Prerequisite: HCA 3103 or equivalent). Three hours lecture. Overview of health informatics and health data analytics; hands-on experience in analytical techniques, modeling, and software using healthcare data. Method of Instruction: C Method of Delivery: F, I, & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Intro Health Informatics Effective: Spring 2023</p>
<p>Addition +Online/Distance +Meridian</p>	<p><u>HCA 4303</u></p>	<p>Approved</p>	<p>HCA 4303 Financial Management for Healthcare. (3). (Prerequisites: FIN 3123). Three hours lecture. Concepts including budgeting, revenue cycle, cash management, investing, and risk are applied to the financial management of healthcare organizations. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Finance for Healthcare Effective: Spring 2023</p>

Addition +Online/Distance +Meridian	<u>HCA 4404</u>	Approved HCA 4404 Strategic Management for Healthcare. (4). (Prerequisite: Graduating senior and HCA 3313 and HCA 3123 and HCA 3113 and HCA 4303). Four hours lecture. Administrative process under conditions of uncertainty in large and small healthcare organizations. Emphasis in integrating knowledge acquired in the functional areas of healthcare administration in formulating administrative policies. Method of Instruction: C Method of Delivery: F, I, & O Campus: 1, 2, & 5 CIP: 510701 30 Char: Strategic Mgmt for Healthcare Effective: Spring 2023
Addition +Study Abroad	<u>ISE 4710/6710</u>	Approved ISE 4710/6710 Interdisciplinary Study Tour. (1-6). Experiential learning through travel in the United States or abroad focusing on specialized areas of study. Method of Instruction: A & C Method of Delivery: F Campus: 8 CIP: 050199 30 Char: Interdisciplinary Study Tour Repeatable: Five times Effective: Spring 2023

ARTS AND SCIENCES

Addition	<u>CO 3353</u>	Approved CO 3353 Sports Announcing. (3). (Prerequisites: CO 2413, CO 3313 or CO 3343). Three hours lecture. Course in announcing live sporting events and sports programs. This involves play-by-play and analysis. Subject matter will include reporting elements of writing, editing, interviewing and announcing. The course will include reporting for the WMSV student sports program. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 090402 30 Char: Sports Announcing Effective: Spring 2023
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Addition	<u>HI 8993</u>	Approved	HI 8993 Seminar in the History of Region, Identity, Gender, and Race. (3). (Prerequisite: Graduate Standing). Three hours seminar. An intensive study of historical concepts of region, national and cultural identity, gender, and racial ideology. Method of Instruction: S Method of Delivery: F Campus: 1 CIP: 540101 30 Char: Seminar in RIGR Effective: Spring 2023
Addition	<u>SW 2023</u>	Passed Contingent	SW 2023 Trauma Informed Social Work Practice.

AGRICULTURE AND LIFE SCEINCES

Addition +Online/Distance	<u>EPP 8373</u>	Approved	EPP 8373 Advanced Insecticide Toxicology. (3). (Prerequisite: EPP 4543/6543). Three hours lecture. New insecticide synthesis based on natural products chemistry, insecticide resistance management (IRM), the Insecticide Resistance Action Committee (IRAC), Mode of Action classification system, quantitative structure activity relationships (QSAR) coupled with artificial intelligence (AI), and computer-aided modeling and design (CAMD). Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 011105 30 Char: Adv Insecticide Tox Effective: Spring 2023
Addition +Online/Distance	<u>EPP 8423</u>	Approved	EPP 8423 Insects, Society, and Human Affairs. (3). Three hours lecture. Explores interactions of insects and humans throughout history with an emphasis on insect pests of agricultural crop production, human and veterinary health, and roles as nuisances. Positive roles as decomposers, pollinators, sources of food, and inspirations for art, music, architecture are emphasized too. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 011105 30 Char: Insects & Society Effective: Spring 2023

EDUCATION

Addition + Meridian +Online/Distance	<u>CCL 8253</u>	Approved	CCL 8253 Community College Research Methods. (3). Three hours lecture. Analysis of the research process to include literature review, developing research questions, collecting and analyzing data, and reporting results, with an emphasis on research in community colleges. Includes both qualitative and quantitative research designs. Method of Instruction: C Method of Delivery: F, O, & X Campus: 1, 2, & 5 CIP: 130407 30 Char: CC Research Methods Effective: Spring 2023
Addition	<u>PE 1291</u>	Approved	PE 1291 Ultimate Frisbee. (1). Two hours laboratory. Emphasis is on rules, knowledge, skill development, and team tactics necessary to successfully participate in an organized game of Ultimate Frisbee. Method of Instruction: L Method of Delivery: F Campus: 1 CIP: 131314 30 Char: Ultimate Frisbee Effective: Spring 2023

FOREST RESOURCES

+Online/Distance	<u>FO 8233</u>	Approved	FO 8233 Approval to Offer Online Campus 5 for Advanced Forest Inventory. Method of Delivery: F & O Campus: 1 & 5 Effective: Spring 2023
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VETERINARY SCIENCE

<p>Modification <u>CVM 4903/6903</u></p>	<p>Approved</p>	<p>FROM: CVM 4906/6906 Tropical Veterinary Medicine and One Health. (6). Six hours study abroad. This course covers Tropical Veterinary Medicine (TVM) in Uganda including Tropical Animal Production, Animal Health Disease Surveillance, Public Health Systems and Food Safety of Animal Products. Additionally, the course covers One Health perspectives of the TVM and cultural emersion.</p> <p>TO: CVM 4903/6903 Tropical Veterinary Medicine and One Health. (3). This is a three weeks study abroad course in tropical veterinary medicine and One Health. The course meets face to face in Uganda and will cover a variety of topics and include lectures, laboratories, and hands on experiential learning in both indoor and outdoor field conditions.</p> <p>Method of Instruction: A Method of Delivery: F Campus: 8 CIP: 340199 30 Char: Tropical Vet Med & One Health Effective: Summer 2023</p>
<p>Addition <u>CVM 5221</u></p>	<p>Approved</p>	<p>CVM 5221 Elective Rotation in Shelter Medicine. (1). (One Week). One hour practicum. This elective rotation will serve as introduction to discipline of shelter medicine and to provide students with real world, hands on learning experiences including, but not limited to, the medical, behavioral, and surgical problems encountered in animals confined to shelters and rescue groups.</p> <p>Method of Instruction: H Method of Delivery: F Campus: 1 CIP: 512501 30 Char: Elective Rotation Shelter Med Effective: Spring 2023</p>

Modification	<u>CVM 5264</u>	Approved	<p>FROM: CVM 5266 Equine Medicine & Surgery. (6). Six hours practicum. Supervised rotation through the Equine unit of the Large Animal Clinic. Students participate in the receiving, analysis and management of patients referred for care.</p> <p>TO: CVM 5264 Equine Medicine & Surgery. (4). (Four weeks). Four hours practicum. This is a four weeks third year clinical rotation that covers all aspects of equine internal medicine, surgery, and equine emergency medicine. Students will participate in the daily maintenance and discussion of clinical cases that are presented to the College of Veterinary Medicine.</p> <p>Method of Instruction: C & H Method of Delivery: F Campus: 1 CIP: 512401 30 Char: Equine Med & Surg Effective: Summer 2023</p>
Modification	<u>CVM 5274</u>	Approved	<p>FROM: CVM 5276 Food Animal Practice. (6). Six hours practicum. Supervised rotation through the Food Animal section of the Animal Health Center. Students participate in problem analysis, case management and development of health maintenance programs.</p> <p>TO: CVM 5274 Food Animal Practice. (4). (Four weeks). Four hours practicum. This is a four weeks clinical rotation covering food animal medicine and surgery, and theriogenology for all species. Additionally, this rotation will introduce ambulatory medicine. Students participate in case management, emergency clinical care, and introduction to health maintenance programs.</p> <p>Method of Instruction: C, E, & H Method of Delivery: F Campus: 1 CIP: 512401 30 Char: Food Animal Practice Effective: Summer 2023</p>

<p>Modification <u>CVM 5304</u></p>	<p>Approved</p>	<p>FROM: CVM 5246 Community Veterinary Services. (6). Six hours practicum. Supervised through the Community Veterinary Service of the Small Animal Health Center. Students participate in all aspects of patient care and health management.</p> <p>TO: CVM 5304 Community Veterinary Services. (4). (Four weeks). Four hours practicum. This is a clinical rotation for third year veterinary students in a teaching environment that closely simulates a high-quality small animal private practice. This service sees a variety of routine cases including basic wellness, routine medicine, elective and routine surgeries, dentistry, and dermatology.</p> <p>Method of Instruction: H Method of Delivery: F, I, & O Campus: 1 CIP: 512401 30 Char: Community Veterinary Services Effective: Summer 2023</p>
<p>Modification <u>CVM 5314</u></p>	<p>Approved</p>	<p>FROM: CVM 5256 Small Animal Surgery. (Four weeks). Four hours practicum. Supervised rotation through Small Animal Surgery. Students participate in the receiving, analysis, surgery and management of patients referred for surgical care.</p> <p>TO: CVM 5314 Small Animal Surgery. (4). (Four weeks). This is a four weeks clinical rotation for third year veterinary students covering small animal surgery.</p> <p>Method of Instruction: H Method of Delivery: F Campus: 1 CIP: 1 30 Char: Small Animal Surgery Effective: Summer 2023</p>

<p>Modification <u>CVM 5332</u></p>	<p>Approved</p>	<p>FROM: CVM 5640 Shelter Medicine Spay Neuter. (1-6). (Prerequisite: CVM 5246. Variable credit hour practicum. This course will provide in-depth understanding and practical experience in dealing with issues surrounding pet over population, responsible pet ownership, shelter medicine and surgery. TO: CVM 5332 Shelter Medicine Spay/Neuter Rotation. (2). (Two hours practicum). This is a two weeks clinical rotation providing in depth understanding and practical experience in dealing with issues surrounding pet over population, responsible pet ownership, shelter medicine and surgery. Method of Instruction: H Method of Delivery: F Campus: 1 CIP: 512401 30 Char: Shelter Medicine Effective: Summer 2023</p>
<p>Modification <u>CVM 5364</u></p>	<p>Approved</p>	<p>FROM: CVM 5364 Veterinary Specialty Center Rotation. (4). (Four weeks). Four hours practicum. Senior veterinary students will participate in care of veterinary patients referred to Neurology, Ophthalmology, and Oncology. TO: CVM 5364 Veterinary Neurology/Neurosurgery Rotation. (4). (Four weeks). Four hours practicum. This is a four weeks clinical rotation for fourth year veterinary students covering Medical & Surgical Neurology and Neurologic Rehabilitation. Method of Instruction: H Method of Delivery: F Campus: 1 CIP: 512401 30 Char: Neurology Clinical Rotation Effective: Summer 2023</p>

Modification	<u>CVM 5414</u>	Approved	<p>FROM: CVM 5380 Small Animal Internal Medicine. (6-8). Variable hours practicum. Advanced supervised rotation through the Small Animal Clinic. Students participate in the receiving, analysis, and management of patients referred for medical care.</p> <p>TO: CVM 5414 Small Animal Internal Medicine. (4). (Four weeks). Four hours practicum. The Small Animal Internal Medicine rotation where students participate in the receiving, analysis, and management of patients referred for medical care.</p> <p>Method of Instruction: E & H Method of Delivery: F Campus: 1 CIP: 512401 30 Char: Small Anim Int Med Effective: Summer 2023</p>
Modification	<u>CVM 5674</u>	Approved	<p>FROM: CVM 5273 Population Medicine. (3). (Prerequisite: enrollment in professional veterinary degree program). Two hours lecture. Two hours laboratory. This course focuses on animal health assessment to the population level. It emphasizes decision making and best practices to maintain health in large and small animal populations.</p> <p>TO: CVM 5674 Population Medicine. (4). (Four hours practicum). The Population Medicine is a four-week rotation that provides hands-on experiences with assessing and improving health of populations of multiple species. Didactic lectures and labs will help students understand how animal population systems influence health and performance and strategies to prevent and control disease.</p> <p>Method of Instruction: H Method of Delivery: F Campus: 1 CIP: 010903 30 Char: Population Medicine Effective: Summer 2023</p>

Modification	<u>CVM 5903</u>	Approved	<p>FROM: CVM 5906 Tropical Veterinary Medicine and One Health. (6). Six hours study abroad. Course involves travel to Uganda to study Tropical Veterinary Medicine including; International Animal production and Health, Disease Surveillance, Public Health and Food safety, One Health, cultural emersion and opportunities for networking and global career development.</p> <p>TO: CVM 5903 Tropical Veterinary Medicine and One Health. (3). This is a three weeks study abroad course in tropical veterinary medicine and One Health. The course meets face to face and will cover a variety of topics and include lectures, laboratories, and hands on experiential learning in both indoor and outdoor field conditions.</p> <p>Method of Instruction: A & E Method of Delivery: F Campus: 1 & 8 CIP: 512401 30 Char: Tropical Vet Med & One Health Effective: Summer 2023</p>
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2. Program Proposals by college/school:

ACADEMIC AFFAIRS

Addition +Distance (Campus 2 and Campus 5)	Degree: BS Major: Healthcare Administration	Approved	Addition of new degree. Forwarded to Provost and President before submission to IHL.
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AGRICULTURE AND LIFE SCIENCES

Modification	Degree: BS Major: Agronomy Concentrations: Ag and Environmental Soil Science, Golf and Sports Turf Management, Integrated Crop Management, Integrated Pest Management	Passed Contingent	
Modification	Degree: BS Major: Horticulture Concentrations: Floral Management, Floriculture and Ornamental Horticulture. Fruit and Vegetable Production	Passed Contingent	

ARCHITECTURE, ART AND DESIGN

Addition (Campus 1 and Campus 5)	Degree: Graduate Certificate Major: Historic Preservation	Approved	Addition of Graduate Certificate. Approved by Graduate Council. Effective: Fall 2023
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ARTS AND SCIENCES

Modification	Degree: BS Major: Geosciences	Passed Contingent	
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ENGINEERING

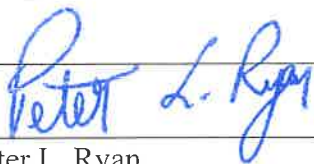
Modification	Degree: PhD Major: Engineering Concentration: Engineering Education	Approved	Approved by Graduate Council. Effective: Fall 2023
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VETERINARY SCIENCE

Modification	Degree: DVM Major: Veterinary Medicine	Approved	See proposal for list of revisions. Effective: Summer 2023
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All of the proposals were approved with the exception of the following:

Proposals**



Dr. Peter L. Ryan
Executive Vice Provost for Academic Affairs

17 January 2023
Date

APPROVAL FORM FOR
DEGREE PROGRAMS
MISSISSIPPI STATE UNIVERSITY

College: Academic Affairs

Department: Healthcare Administration

Contact Person: Terry Dale Cruse Mail Stop:
Nature of Change: New Degree Program

E-mail: tdcruise@meridian.msstate.edu
Date Initiated: 11/01/2022
Effective Date: Fall 2023

New Degree Program Name: Bachelor of Science

Major: Healthcare Administration

Concentrations: None

Summary of Proposed Changes: This proposal requests the approval for a new Bachelor of Science in Healthcare Administration degree and the supporting curriculum. The degree has no concentrations. To be offered Campus 2 and Campus 5.

Approved:

Date:

Department Head

Director of Academic Quality

Chair, College or School Curriculum Committee

Dean of College or School



Chair, University Committee on Courses and Curricula

December 15, 2022

Chair, Deans Council

APPROVAL FORM FOR
DEGREE PROGRAMS
MISSISSIPPI STATE UNIVERSITY

College: Academic Affairs

Department: Healthcare Administration

Contact Person: Terry Dale Cruse Mail Stop:
Nature of Change: New Degree Program

E-mail: tdcruise@meridian.msstate.edu
Date Initiated: 11/01/2022
Effective Date: Fall 2023

New Degree Program Name: Bachelor of Science


Major: Healthcare Administration

Concentrations: None

Summary of Proposed Changes: This proposal requests the approval for a new Bachelor of Science in Healthcare Administration degree and the supporting curriculum. The degree has no concentrations.

Approved:

Date:



Department Head

11/4/2022

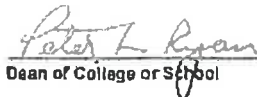


Director of Academic Quality

11/4/22

NA


Chair, College or School Curriculum Committee



Dean of College or School

November 4th, 2022

Chair, University Committee on Courses and Curricula



Chair, Deans Council

17 January 2023

PROPOSED New Degree	
Degree: Bachelor of Science Major: Healthcare Administration	
Mississippi State University-Meridian initiated the development of the Bachelor of Science in Healthcare Administration program after completion of a needs assessment and after community support was determined to be strong. Located on the Meridian Campus, the program has access to several highly esteemed Mississippi medical systems and multiple group practices.	
Due to the rapid growth and significant role of the healthcare enterprise in the U.S. economy, there is a major, and increasing, demand for managers with specialized training in healthcare administration. The Bachelor of Sciences in Healthcare Administration degree provides the specialized education needed to equip managers with the skills and knowledge needed to successfully navigate healthcare finance, the specialized healthcare regulatory environment and the nuances of management, marketing, operations, and informatics in a healthcare setting.	
Graduates are prepared to serve as managers of smaller group practices and as mid-level managers in a wide variety of settings including hospitals, long term care facilities, pharmaceutical agencies, insurance companies, and medical equipment manufacturers. The curriculum also serves as a foundation for success in graduate-level academic programs in health administration and health informatics.	
Admission: MSU-Meridian is an upper-division, regional campus of Mississippi State University. The campus serves students with courses at the junior, senior, and graduate level. Students interested in attending the upper division healthcare administration program at MSU-Meridian will need to meet the general MSU undergraduate admissions requirements and specific program requirements to be admitted and enroll in classes. Transfer students wishing to major in healthcare administration must have achieved a minimum overall grade point average of 2.5 by the beginning of their junior year.	
While students from any qualifying institution are welcome, a special cooperative relationship exists between MSU-Meridian and East Central Community College, East Mississippi Community College, Jones College, and Meridian Community College. Faculty, staff, and counselors from these institutions are committed to communicating with students to assure a smooth transition in the attainment of their educational pursuits.	
Proposed Curriculum Outline	Required Hours
English (General Education): EN 1103 English Composition I OR EN 1104 Expanded English Composition I EN 1113 English Composition II OR EN 1173 Accelerated Composition II	6
Fine Arts (General Education): any Gen Ed course	3
Natural Sciences (General Education) (2 labs required from Gen Ed): any Gen ED course	6-8

Extra Science (if appropriate)		
Quantitative Reasoning (General Education) MA 1613 Calculus for Life Sciences & Business OR 1713 Calculus I	3	
Humanities (General Education): any Gen Ed course	6	
Social/Behavioral Sciences (Gen Ed): EC 2113 Principles of Macroeconomics EC 2123 Principles of Microeconomics	6	
Major Core Courses		(46)
HCA 3103 Health Information Systems	3	
HCA 3113 Managing Healthcare Organizations	3	
HCA 3123 Healthcare Economics	3	
HCA 3133 Healthcare Logistics and Supply Chain Management	3	
HCA 3203 Healthcare Marketing	3	
HCA 3313 Healthcare Systems	3	
HCA 3513 Human Resource Management in Healthcare	3	
HCA 3813 Healthcare Regulations	3	
HCA 4013 Ethical Issues in Healthcare	3	
HCA 4103 Quality Management & Process Improvement in Healthcare	3	
HCA 4123 Introduction to Health Informatics	3	
HCA 4303 Financial Management for Healthcare	3	
HCA 4404 Strategic Management for Healthcare	4	
HCA 4443 Healthcare Internship	3	
HCA 4803 Healthcare Policy	3	
Business Courses	9	
ACC 2013 Financial Accounting		
BQA 3123 Business Statistical Methods II		
FIN 3123 Financial Management		
Writing Requirement		
EN 3313 Writing for Workplace	3	
OR MGT 3213 Organizational Communication		
Additional Math Requirement		
BQA 2113 Business Statistical Methods I OR	3	
ST 2113 Introduction to Statistics		
Oral Communication Requirement		
CO 1003 Fundamentals of Public Speaking OR		
CO 1013 Introduction to Communication	3	
Elective Courses		
Total of 24-27 hours of which at least 12 hours must be upper division and approved by the departmental academic advisor or program director		24-27
Concentration Courses		
Total Hours		120-121

COURSE DESCRIPTIONS

HCA 3103 Health Information Systems

(Prerequisite: Junior standing) Three hours lecture. A survey of the components, functions, and processes of Information Systems and applications in healthcare organizations.

HCA 3113 Managing Healthcare Organizations

(Prerequisites: junior standing or permission of the instructor). Three hours lecture. Management principles for large and small healthcare organizations including the fundamental principles of planning, organizing, and leading.

HCA 3123 Healthcare Economics

(Prerequisites: EC 2123.) Three hours lecture. The United States healthcare system and healthcare organization management from an applied economics perspective; topics include costs, profit maximization, pricing, market structure, and government intervention

HCA 3133 Healthcare Logistics and Supply Chain Management

(Prerequisite: Junior standing). Three hours lecture. A general survey of the key concepts of healthcare logistics and supply chain management including purchasing, operations, inventory management, demand forecasting, and performance analysis.

HCA 3203 Healthcare Marketing

(Prerequisite: Junior standing). Three hours lecture. This course explores the principles of marketing and their application in healthcare. Students will learn the essential elements of marketing strategies, including the marketing environment, customer behavior, STP, and the four Ps and their roles in healthcare industries.

HCA 3313 Healthcare Systems

Three hours lecture. This course explores the US healthcare system. Students examine access, quality, & cost, public health, managed care, patient services, and mental healthcare. They examine the role of healthcare professionals and providers. Students will look at how U.S. healthcare compares to other countries.

HCA 3513 Human Resource Management in Healthcare

(Prerequisite: Junior standing or consent of instructor). Three hours lecture. Development of efficient programs for managing human resources in large and small healthcare settings. Emphasizes ethics, equal employment opportunity, performance evaluation, recruitment, selection, education, training, labor relations, resources and capabilities, safety, and health.

HCA 3813 Healthcare Regulations

Three hours lecture. Overview of health law in the U.S. Covers major laws & regulations that apply to healthcare, the most regulated sector of our economy. You will learn that health law is overlapping layers of federal, state, and local jurisdiction.

HCA 4013 Ethical Issues in Healthcare

Three hours lecture. Overview of ethics in healthcare organizations and on the ethical dilemmas confronting the individuals who manage them. Course discusses current controversies in public health, including such topics as privacy rights, and issues relating to health promotion.

HCA 4103 Quality Management & Process Improvement in Healthcare

(Prerequisite: BQA 2113 or ST 2113 or equivalent). Three hours lecture. Concepts of monitoring and evaluating the quality and appropriateness of patient care and services provided in health care organizations, management tools and modeling techniques for improvement of clinical processes and decision-making.

HCA 4123 Introduction to Health Informatics

(Prerequisite: HCA 3103 or equivalent) Three hours lecture. Overview of health informatics and health data analytics; hands-on experience in analytical techniques, modeling, and software using healthcare data.

HCA 4303 Financial Management for Healthcare

(Prerequisites: FIN 3123.) Three hours lecture. Concepts including budgeting, revenue cycle, cash management, investing, and risk are applied to the financial management of healthcare organizations.

HCA 4404 Strategic Management for Healthcare

(Prerequisite: Graduating senior and HCA 3313 and HCA 3123 and HCA 3113 and HCA 4303.) Four hours lecture. Administrative process under conditions of uncertainty in large and small healthcare organizations. Emphasis in integrating knowledge acquired in the functional areas of healthcare administration in formulating administrative policies.

HCA 4443 Healthcare Internship

(Prerequisite: HCA 3313 and HCA 3813). Internship. A supervised work experience with health care provider. Student will provide a written report to the assigned faculty member at completion of internship.

HCA 4803 Healthcare Policy

Three hours lecture. Policy making in the public and private health sectors in the United States. Governmental and corporate management of issues associated with access, cost, and quality; influences of health care and business ethics; processes of innovation. Policy formulation, implementation, assessment, and modification.

Appendix 8: New Degree Program Proposal

Institution:

Date of Implementation:	Incremental, Five-Year Cost of Implementation:	Incremental, Five-Year Per Student Cost of Implementation:
Fall 2023	\$ 1,666,413	\$ 23,144

Will it attract new students to the university? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Potential Five-Year, New Revenue: \$ 1,084,776	Potential New, Five-Year Revenue Per Student: \$ 15,066
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Program Title as will Appear on Academic Program Inventory, Diploma, and Transcript:	Six-Digit CIP Code:
Bachelor of Science with a Major in Healthcare Administration	51.0701

Name of Degree(s) to be Awarded: Bachelor of Science with a Major in Healthcare Administration	Total Credit Hour Requirements to earn the degree: 120-121
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List any institutions within the state offering similar programs:

Delta State University (BBA), Jackson State University, UMMC (online-only), Belhaven University

Responsible Academic Unit(s): Office of Academic Affairs
Office of the Provost and Executive Vice President

Institutional Contact: Dr. Peter Ryan
Phone: 662-325-3742
Email: ryan@provost.msstate.edu

Check one of the boxes below related to SACSCOC Substantive Changes.

- Proposed Program is Not a Substantive Change** **Proposed Program is a Substantive Change**

Number of Students Expected to Enroll in Five Years:	Number of Graduates Expected in First Five Years:
Year One 6	Year One 0
Year Two 12	Year Two 2
Year Three 15	Year Three 7
Year Four 18	Year Four 12
Year Five 21	Year Five 14
Total 72	Total 35

Program Summary: The Bachelor of Sciences in Health Administration Program, housed on MSU’s Riley Campus in Meridian, will prepare graduates to work in a wide variety of settings including hospitals, private medical practices, long term care facilities, pharmaceutical agencies, insurance companies, and medical equipment manufacturers. Their specialized education will equip them with the skills and knowledge needed to successfully navigate healthcare finance, healthcare law, and the specialized healthcare regulatory environment, to manage smaller group practices, and to work in mid-level positions in larger organizations such as hospitals, long-term facilities, and health systems. These graduates will help meet critical state and regional needs for medical and health services managers. The U.S. Bureau of Labor Statistics projects the creation of 136,200 new jobs for medical and health services managers, a 28% increase, between 2021 and 2031. Similarly, Mississippi projects a 17.9% increase with 330 new positions created annually. The average annual salary for healthcare administrators in Mississippi is \$94,270. This program will build upon existing faculty resources and a strong Meridian healthcare community to prepare healthcare administrators to meet the needs of the region and state.

The program will be delivered through face-to-face instruction initially and eventually through distance education, as well, to address the needs of adult learners currently employed in the health industry.

Chief Academic Officer Signature

Date

Institutional Executive Officer Signature

Date

Institution:

1. Describe how the degree program will be administered including the name and title of person(s) who will be responsible for curriculum development and ongoing program review.

The Bachelor of Science in Healthcare Administration program will be administered through a Program Director and faculty members on the Meridian Campus under the direction of the Office of the Provost and Executive Vice President. Specific responsibility for the design and review of the curriculum will be the purview of the Program Director and faculty. Degree and course additions, modifications, and deletions are subject to approval by the larger faculty (University Course and Curriculum Committee). A search will be initiated for a program director upon approval of this proposal.

2. Describe the educational objectives of the degree program including the specific objectives of any concentrations, emphases, options, specializations, tracks, etc.
 - Students demonstrate a knowledge of the nature, types, and functions of healthcare organizations, including multi-institutional systems and managed care arrangements.
 - Students demonstrate a knowledge of the economic, legal, political, and ethical issues that impact healthcare delivery.
 - Students demonstrate the knowledge of the principles of management including organizational change, design, performance, strategic planning, marketing, human resource management, problem-solving, decision-making, and leadership as applied in a healthcare setting.
 - Students demonstrate the ability to effectively apply basic quantitative skills to healthcare financial management, operations analysis, management information systems, and statistics.
 - Students demonstrate the ability to integrate theories and practices of healthcare administration in the practice setting through a capstone course in strategic management and through an internship in a healthcare setting.
3. Describe any special admission requirements for the degree program including any articulation agreements that have been negotiated or planned.

MSU-Meridian is an upper-division, regional campus of Mississippi State University. The campus serves students with courses at the junior, senior, and graduate level. Students interested in attending the upper division healthcare administration program at MSU-Meridian will need to meet the general MSU undergraduate admissions requirements and specific program requirements to be admitted and enroll in classes. Transfer

students wishing to major in healthcare administration must have achieved a minimum overall grade point average of 2.5 by the beginning of their junior year.

While students from any qualifying institution are welcome, a special cooperative relationship exists between MSU-Meridian and East Central Community College, East Mississippi Community College, Jones College, and Meridian Community College. Faculty, staff, and counselors from these institutions are committed to communicating with students to assure a smooth transition in the attainment of their educational pursuits.

4. Describe the professional accreditation that will be sought for this degree program. If a SACSCOC visit for substantive change will be necessary, please.

While undergraduate healthcare administration programs do not have an accrediting body, the Association of University Programs in Health Administration (AUPHA) offers a voluntary certification process that can occur after the program is established. The program plans to seek that certification in the future.

The new degree program does not represent a substantive change according to SACSCOC guidelines.

5. Describe the curriculum for this degree program including the recommended course of study (appending course descriptions for all courses) and any special requirements such as clinical, field experience, community service, internships, practicum, a thesis, etc.

The overall curriculum for this degree program consists of the university core curriculum (30-32 hrs.), university writing and oral communication requirements (6 hrs.), three foundational business courses (9 hrs.), introductory statistics (3 hrs.), major course work (46 hrs.), and electives (24-27 hrs.) of which 12 hours must be at the 3000-4000 level. Included in this coursework is HCA 4443, a three hour healthcare administration internship.

Proposed Curriculum Outline	Required Hours
English (General Education): EN 1103 English Composition I OR EN 1104 Expanded English Composition I EN 1113 English Composition II OR EN 1173 Accelerated Composition II	6
Fine Arts (General Education): any Gen Ed course	3
Natural Sciences (General Education) (2 labs required from Gen Ed): any Gen ED course	6-8
Extra Science (if appropriate)	
Quantitative Reasoning (General Education) MA 1613 Calculus for Life Sciences & Business OR 1713 Calculus I	3
Humanities (General Education): any Gen Ed course	6
Social/Behavioral Sciences (Gen Ed): EC 2113 Principles of Macroeconomics EC 2123 Principles of Microeconomics	6

Major Core Courses	(46)
HCA 3103 Health Information Systems	3
HCA 3113 Managing Healthcare Organizations	3
HCA 3123 Healthcare Economics	3
HCA 3133 Healthcare Logistics and Supply Chain Management	3
HCA 3203 Healthcare Marketing	3
HCA 3313 Healthcare Systems	3
HCA 3513 Human Resource Management in Healthcare	3
HCA 3813 Healthcare Regulations	3
HCA 4013 Ethical Issues in Healthcare	3
HCA 4103 Quality Management & Process Improvement in Healthcare	3
HCA 4123 Introduction to Health Informatics	3
HCA 4303 Financial Management for Healthcare	3
HCA 4404 Strategic Management for Healthcare	4
HCA 4443 Healthcare Internship	3
HCA 4803 Healthcare Policy	3
Business Courses	9
ACC 2013 Financial Accounting	
BQA 3123 Business Statistical Methods II	
FIN 3123 Financial Management	
Writing Requirement	
EN 3313 Writing for Workplace	3
OR MGT 3213 Organizational Communication	
Additional Math Requirement	
BQA 2113 Business Statistical Methods I OR	3
ST 2113 Introduction to Statistics	
Oral Communication Requirement	
CO 1003 Fundamentals of Public Speaking OR	
CO 1013 Introduction to Communication	3
Elective Courses	
Total of 24-27 hours of which at least 12 hours must be upper division and approved by the departmental academic advisor or program director	24-27
Concentration Courses	
Total Hours	120-121

6. Describe the faculty who will deliver this degree program including the members' names, ranks, disciplines, current workloads, and specific courses they will teach within the program. If it will be necessary to add faculty to begin the program, give the desired qualifications of the persons to be added.

Five current faculty members, along with a program director and one additional faculty member to be hired, will provide the instruction for the new degree program. The five existing faculty members have been responsible for the Meridian-based, face-to-face delivery of business courses that support the various Bachelor of Applied Sciences (B.A.S.) offerings and the Meridian-based B.B.A and M.B.A offerings. The Meridian campus has offered a Meridian-only concentration in health administration within the B.B.A. program and a Healthcare Services concentration in the B.A.S. degree program. Within these concentrations, the Meridian-based faculty already support five of the courses in the new program.

Based upon its current abilities to offer both the B.B.A and M.B.A. programs in a fully online manner, the College of Business has recently decided to end face-to-face instruction and operations on the Meridian campus. Five current members of the Meridian-based faculty will continue with their support of the various B.A.S. concentrations and assume responsibilities for the instruction in the new B.S. in Healthcare Administration degree program. These five faculty members have been actively involved in the design of the new degree

curriculum and the development of the ten new courses that serve, with the existing five courses, as the core for this degree. These faculty are also qualified to teach, under the supervision of the College of Business, those business courses required as part of the degree.

A program director at the Associate or Full Professor level with experience in an existing healthcare administration program will be hired to provide program leadership. One additional faculty member at the Assistant or Associate Professor level with a background in relevant healthcare administration disciplines will be added to assist in teaching both the core and in developing electives for this degree program. One of these two hires will be in health informatics as the program has heard from perspective employers that there is a special need to enhance the health informatics skills of new managers.

Data concerning the five current faculty members and their teaching responsibilities is presented below.

FACULTY	RANK	DISCIPLINE	WORK LOAD	COURSES
Seungjae Shin	Professor	Information Systems, PhD, 2003 Industrial & Systems Eng., PhD, 2013	2/3	- HCA 3103 Health Information Systems - HCA 3133 Healthcare Logistics & Supply Chain - HCA 4103 Quality Mgt & Process Healthcare - HCA 4123 Introduction to Health Informatics
Paul Spurlin	Associate Professor	Finance, PhD, 2011	2/3	- HCA 3123 Healthcare Economics - HCA 4303 Financial Management Healthcare
Adam Pervez	Assistant Professor	Management, PhD, 2019	2/3	- HCA 3113 Managing Healthcare Organizations - HCA 3513 Human Resource Management Healthcare - HCA 4404 Strategic Management for Healthcare
Carlton Young	Professor	Health Services Administration, PhD, 2005	2/3	- HCA 3313 Healthcare Systems - HCA 3813 Healthcare Regulations - HCA 4013 Ethical Issues in Healthcare - HCA 4443 Healthcare Internship - HCA 4803 Healthcare Policy
Yingge Qu	Associate Professor	Marketing, PhD, 2014	2/3	- HCA 3203 Healthcare Marketing

7. Describe the library holdings relevant to the proposed program, noting strengths and weaknesses. If there are guidelines for the discipline, do current holdings meet or exceed standards?

The Phil Hardin Foundation Libraries provide sufficient resources and access to quality scholarly materials to support baccalaureate course work for the proposed B.S. in Healthcare Administration degree. The full web site to which the library can be accessed at <https://www.library.msstate.edu/#gsc.tab=0> library.msstate.edu MSU Meridian students, faculty and staff have access to such excellent resources and services as:

- 600+ electronic databases, 67 supporting for research in **business/business-economics**, 48 on **medicine / health care**, and 11 on **law** (for example: *Business Source Complete*; *Wall Street Journal online*, *IBIS World*, *WestLaw Campus Research*, *PubMed*, *Case Files Collection*)
- Over 2.3 million volumes (MSU Library's online catalog); Over 11,000 print volumes in the local collections at MSU Meridian
- 200,000 electronic journals in an extraordinary range of business and healthcare subjects and full-text content

- eBooks on healthcare management or health care administration of healthcare leadership
- EDS (*EBSCO Discovery Service*)
- Evidence-based learning resources already provided to students in the physician assistant program at MSU Meridian (*Access Medicine, Cochrane Reviews, Up-To-Date, Dynamed Plus, LWW Health Library, JAMA Evidence*)
- Streaming video services (*Kanopy, Swank*)
- *AMA (online), APA manuals* and support for using these resources effectively
- Access to electronic journals sufficient to meet the needs of baccalaureate business studies.
- Discipline-based research guides covering resources in business, business-economics, accountancy, marketing, quantitative analysis, and business law, industry, marketing, and company analysis, scholarly communication and more
- Course reserves for faculty-selected electronic and print resources
- Access to virtual training opportunities through the library's MaxxSouth Digital Media Center (DMC) (ex.: Excel, Adobe InDesign and other technology) online.
- ILL and document delivery services for obtaining materials not owned by MSU Libraries.

The library will need access to additional to key electronic (or print) journals on healthcare management, hospital administration, and healthcare industry. Many of the books and print resources currently on-hand are out-of-date and will need to be updated with more current and timely editions. The library needs to update its collections with more timely print collections. The library currently augments this need by providing Interlibrary loan and document delivery services. The MSU Meridian libraries will work with the teaching faculty and library subject specialists, to identify appropriate resources to acquire for the collections. Enhancing the collections will lay the groundwork for building the resources to support the proposed B.S. in Healthcare Administration degree.

8. Describe the procedures for evaluation of the program and its effectiveness in the first six years of the program, including admission and retention rates, program outcome assessments, placement of graduates, changes in job market need/demand, ex-student/graduate surveys, or other procedures.

Rates of admission, retention, and graduation and time to completion will be collected as one set of measures of program effectiveness. Student performance and feedback will be utilized to measure effectiveness of individual courses and the quality of instruction. The overall effectiveness of the curriculum will be assessed by examining student performance in the strategic management course (capstone course), through student and preceptor feedback from the healthcare internship, and from surveys of graduating students. Career readiness of program graduates will be determined through placement rates in relevant healthcare management positions and through graduate and employer surveys.

9. What is the specific basis for determining the number of graduates expected in the first five years?

Graduation rates are calculated by assuming that students will take between two and three years to complete both any remaining prerequisites that exist when arriving at the Meridian campus and the two year curriculum for the program. The calculation rates also assume an overall maximum attrition rate of 20% for these students who enter with junior standing.

10. Using expected enrollment, provide the total anticipated budget for the program including implementation and five subsequent years (total of 6 years) of operation; any anticipated direct, indirect, and incremental costs necessary to start the program; anticipated, incremental annual revenue based on student enrollment; and other sources of funding.

Year	Incoming Students	Total Enrollment	Start-Up Costs	A Additional Annual Costs	B Additional Annual Revenue	C Non-Tuition Revenue	A – (B+C) Differential
2022-2023			1500		0		1500
2023-2024	6	6	0	312,724	49,308	0	264,916
2024-2025	12	18	0	323,484	147,924	0	175,560
2025-2026	15	29	0	333,001	238,322	0	94,679
2026-2027	18	37	0	342,804	304,066	0	38,738
2027-2028	21	42	0	352,900	345,156	0	7,744
TOTAL	72	132	1500	1,666,413	1,084,776	0	583,137**

**This new degree program is being totally funded by reallocation of existing funds on the Meridian campus that have become available based on the recent decision to cease face-to-face B.B.A. and M.B.A. programs in Meridian. The effort of five faculty members who have supported these programs, including the Meridian-only health administration concentration in the B.B.A degree, will be reassigned to the new B.S. in Health Administration degree program. Funding for a new program director and an additional faculty hire will be drawn from unfilled positions allocated previously by the Meridian campus to B.B.A. and M.B.A. operations in Meridian. The funding for program staff, faculty development and operations currently allocated for the faculty who support the B.B.A. and M.B.A. programs on the Meridian campus will be reassigned to the new program.

REVENUE :Revenue is projected based on total enrollment times the maximal in-state tuition charges at the Meridian campus for fulltime students. These revenue figures are based solely on expectations for face-to-face learners and do not include distance learners which could easily match face-to-face enrollment.

COSTS: Costs include startup funds needed to address gaps in currently library holdings (\$1500) and ongoing costs (\$6444/annually) for the online Journal of Healthcare Management and for the Healthcare Management Database which will be valuable for multiple healthcare professions programs.

Ongoing costs also include the annual salary and benefits for two new faculty members—a program director (\$130,000/yr. plus fringe benefits) and an assistant professor with a background preferably in health informatics(\$90,000/per year plus fringe benefits).

11. Program Demand: Select one or both of the following to address student demand:

A. Survey of Student Interest

Number of surveys administered. _____
 Number of completed surveys returned..... _____

Percentage of students interested in program..... _____

Include a brief statement that provides additional information to explain the survey.

B. Market Analysis or Evidence of Labor Market Need

Healthcare is the largest industry and the second largest employer in the United States. Healthcare is the fastest growing sector of the economy and produced the majority of private sector jobs created over the past five years. The sector is projected by the Bureau of Labor Statistics (BLS) in its Occupational Outlook Handbook to grow by 13% between 2021-2031 creating more than two million new jobs in addition to job vacancies created through retirement.

Due to the rapid growth in the healthcare sector, there has also been increased demand for managers with specialized training in healthcare administration or management. According to the same BLS report, between 2021-2031, there will be 136,200 new jobs for medical and health services managers added to the current workforce of 480,700 – a 28% increase. This is more than four times the growth rate of the general management workforce which is 6.9%.

Similar statistics were found in Mississippi for this workforce. According to the Mississippi Department of Employment Security during the period from 2018-2028, employment for medical and health service managers in the state will grow by 17.9% compared to a 6.6% for management positions, overall. This translates to 330 additional jobs each year over the next 10 years for individuals living in Mississippi.

Wages for management positions in the medical and healthcare sector are also better on average than for those in management positions overall. According to the Mississippi Occupational Employment and Wage Estimates report, medical and health services managers in Mississippi average annual salaries of \$94,270 with average entry-level salaries of \$54,400 compared to average general management entry-level salaries of \$40,290.

12. Employment Opportunities for Graduates (state, region, nation):

Graduates of this program will have opportunities to work in a wide variety of settings including hospitals, private medical practices, long term care facilities, pharmaceutical agencies, insurance companies, and medical equipment manufacturers, among others. Their specialized education will equip them with the skills and knowledge needed to successfully navigate healthcare finance, healthcare law, and the specialized healthcare regulatory environment, to manage smaller group practices, and to work in mid-level positions in larger organizations such as hospitals, long-term facilities, and health systems.

As noted earlier, there will be numerous opportunities for graduates of this program within Mississippi. . According to the Mississippi Department of Employment Security during the period from 2018-2028, employment for medical and health service managers in the state will grow by 17.9% compared to a 6.6% for management positions, overall. This translates to 330 additional jobs each year over the next 10 years for individuals living in Mississippi. This state trend mirrors national needs with the US Bureau of Labor Statistics reporting a creation of 136,200 new jobs for medical and health services managers (an increase of 28%) over the next decade, This is more than four times the growth rate of the general management workforce which is 6.9%.

In addition, wages for management positions in the medical and healthcare sector are also better on average than for those in management positions overall. According to the Mississippi Occupational Employment and Wage Estimates report, medical and health services managers in Mississippi average annual salaries of \$94,270 with average entry-level salaries of \$54,400 compared to average general management entry-level salaries of \$40,290.

There is also an acute need in rural eastern Mississippi and Meridian for healthcare administrators. The quality of practice management is often key to the survival of the small rural practices which meet the needs of their communities. To promote improved healthcare in rural eastern Mississippi, there is a real need to staff currently understaffed hospitals and individual rural practices throughout the region with professionally prepared health managers.

Additionally, Meridian is the epicenter of healthcare delivery for east central Mississippi and western Alabama. The combination of four major health entities (Ochsner Rush Health System, Anderson Regional Health System, East Mississippi State Hospital and Alliance Health Center) offer an array of specialty and subspecialty services in the medical and mental health fields. Together, these entities operate almost 1500 in-patient beds within Meridian. In addition, these entities operate approximately ten smaller hospital facilities in the neighboring rural counties. Graduates from this program will find opportunities in these organizations and, in some cases, will find the opportunity to advance within those organizations because of this educational opportunity.



MISSISSIPPI STATE
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October 17, 2022

To: Chair, MSU UCCC
From: Sharon Oswald 
Dean, College of Business

RE: Support of the Healthcare Administration Program, Meridian Campus

The College of Business strongly supports the following:

- A BS in Healthcare Administration to be offered exclusively on the Meridian Campus
- The elimination of the Healthcare concentration in the BBA on the Meridian Campus

The Starkville campus is willing to provide accessibility to several courses through online BBA program for any student not completing the requirements at a community college. These courses include:

- BQA 3123
- EC 2113 and EC 2123
- AC 2013

The 3000-level courses:

- BQA 3123
- FIN 3123


Can be taught by qualified Meridian faculty or taken via distance education through the online BBA program.

The BS in Healthcare Administration on the Meridian campus takes advantage of the strong health care community in and around Meridian and will provide a specialized identity to that campus.



MISSISSIPPI STATE
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meridian.msstate.edu

To: UCCC
From: Terry Dale Cruse, AVP & Head of the Meridian Campus 
Cc: Dr. David Shaw, Provost and Executive Vice President
Dr. Peter Ryan, Executive Vice Provost
Date: October 28, 2022
Re: Bachelor of Science in Healthcare Administration

I am writing in support of the proposed courses for the Bachelor of Science in Healthcare Administration. While the program will be housed on the Meridian Campus in the Division of Academic Affairs, permission is being requested for both face-to-face and online delivery. Business and Healthcare Faculty in Meridian have reviewed the curriculum and recommend it for approval.

APPROVAL FORM FOR
DEGREE PROGRAMS
MISSISSIPPI STATE UNIVERSITY

NOTE: This form is a cover sheet that must accompany the degree program change proposal. The actual proposal should be prepared in accordance with format requirements provided in the *Guide and Format for Curriculum Proposals* published by the UCCC. Both cover sheet and proposal should be submitted to UCCC Mail Stop 9702 (281 Garner Hall), Phone: 325-9410.

College: College of Architecture, Art, and Design **Department:** Interior Design

Contact Person: Beth R. Miller, PhD **Mail Stop:** 9543 **E-mail:** bmiller@caad.msstate.edu

Nature of Change: Addition of New Certificate

Date Initiated: 10/27/2022

Effective Date: Fall 2023

Current Degree Program Name: Master of Fine Arts in Historic Preservation

Major: N/A

Concentration: N/A

New Degree Program Name: N/A

Major: N/A

Concentration: N/A

Summary of Proposed Changes:

The proposal seeks to create a Graduate Certificate in Historic Preservation for Campus 1 and Campus 5 students. This graduate certificate in Historic Preservation would be created from existing courses in the Master of Fine Arts in Historic Preservation program and will be offered to students as a Campus 1 and Campus 5 offering. Students completing this certificate would benefit from having another level of expertise in a specific area that has increasing opportunities for employment. This graduate certificate would appeal to students enrolled in master's programs in areas such as history, archaeology, construction, landscape architecture, architecture, art, public policy, and others. Students enrolled in Campus 5 could be practicing professionals with undergraduate degrees who want to add to their level of expertise, and the certificate will offer them further areas of practice. Campus 1 and Campus 5 students successfully completing a Graduate Certificate in Historic Preservation would be eligible for acceptance into an accelerated option for the Master of Fine Arts in Historic Preservation. Another benefit of the certificate is it would allow non-degree-seeking students the opportunity to enroll at Mississippi State University.

Approved:

Date:


Department Head

10/31/2022


Chair, College or School Curriculum Committee

11/7/2022

Angi Elsea Bourgeois, Ph.D.

Digitally signed by Angi Elsea Bourgeois,
Ph.D.

Date: 2022.11.07 11:47:08 -06'00'

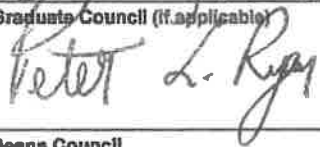
Dean of College or School


Chair, University Committee on Courses and Curricula

December 15, 2022


Chair, Graduate Council (if applicable)

12/14/2022


Chair, Deans Council

January 17, 2023

Appendix 16: Intent to Offer, Modify, or Delete Certificate* Program
(Submit Appendix 16 in PDF format with signatures)

Institution: Mississippi State University

Date of Implementation: Fall 2023

Six-Digit CIP Code (& Four-Digit Sequence Code if modification/deletion): Total Credit Hours: 15 Hours

30.1201

CIP & Sequence codes: [JHL Active Program Inventory](#)

Program Title as will Appear on Academic Program Inventory:

Graduate Certificate in Historic Preservation

Offer Modify Delete

Responsible Academic Unit(s):

College of Architecture, Art, and Design

Department of Interior Design

Institutional Contact: Dr. Beth Miller

Phone: 662-325-7689

Email: bmiller@caad.msstate.edu

Vocational Certificate:

Yes
No

Credit Bearing Program:

Yes
No

Title IV Financial Aid Eligible:

Yes
No

Which of the following best describes the certificate program:

Pre-Baccalaureate

(Less than 1 Year)

Pre-Baccalaureate

(At Least 1 Year)

Post-Baccalaureate

Post-Master's

Other

Undergraduate program with duration less than one academic year; designed for completion in less than 30 credit hours

Undergraduate program with duration at least 1 year; designed for completion in at least 30 hours; does not meet requirements for Associate's or Bachelor's degrees

Program designed beyond the baccalaureate degree but does not meet the requirements for a master's degree

Program designed beyond the master's degree but does not meet the requirements for a doctoral degree

Other certificate program not meeting one of the four criteria above.

Program Summary: professional benefit to program completers

This graduate certificate in Historic Preservation would be created from existing courses in the Master of Fine Arts in Historic Preservation program and will be offered to students as Campus 1 and Campus 5 courses. Students completing this certificate would benefit from having another level of expertise in a specific area that has increasing opportunities for employment. Students will complete course work in: history of American architecture & landscape architecture, and interiors; investigation and documentation of structures, interiors, and sites; historic preservation and planning; preservation economics and advocacy; conservation of interior details, furniture, materials, and finishes; and preservation law. This graduate certificate would appeal to students enrolled in master's programs in areas such as history, archaeology, construction, landscape architecture, architecture, art, public policy, and other disciplines. Students enrolled in Campus 5 could be practicing professionals with undergraduate degrees who want to add to their level of expertise, and the certificate would offer them further areas of practice.

Institutional Contact Signature

Date

Chief Academic Officer Signature

Date

*Certificate programs added to the Academic Program Inventory must be credit-bearing and be vocational in nature with some professional benefit to program completers. Undergraduate certificates are eligible for Title IV financial aid programs. Certificate programs that are not credit-bearing or are lifelong learning in nature (i.e. photography, travel, etc.) with no professional component should not be included in the Academic Program Inventory.

1. Degree Description

Proposed New Degree	
Degree: Graduate Certificate in Historic Preservation	
<p>This Graduate Certificate in Historic Preservation (GCHP) would be created from existing courses in the Master of Fine Arts in Historic Preservation program and would be offered to students as Campus 1 and Campus 5 courses. Students completing this certificate would benefit from having another level of expertise in a specific area that has increasing opportunities for employment. Students would complete course work in: history of American architecture, landscape architecture, and interiors; investigation and documentation of structures, interiors, and sites; historic preservation and planning; preservation economics and advocacy; conservation of interior details, furniture, materials, and finishes; and preservation law. This graduate certificate would appeal to students enrolled in masters' programs in areas such as history, archaeology, construction, landscape architecture, architecture, art, public policy, and other disciplines. Students enrolled in Campus 5 could be practicing professionals with undergraduate degrees who want to add to their level of expertise, and the certificate would offer them further areas of practice.</p> <p>The Graduate Certificate in Historic Preservation (GCHP) allows any Mississippi State University graduate student from across the campus to receive recognition for mastering preservation coursework. The certificate comprises 15 hours of coursework in different areas of preservation. The successful completion of the HPGC would provide students with the preservation foundation necessary for broader opportunities for employment and add another level of expertise to their undergraduate or graduate degree.</p> <p>All the courses in the proposed curriculum have been approved by the UCCC to be offered as Campus 1 and Campus 5 courses.</p>	
Proposed Curriculum Outline	Required Hours
Requirement: Choose five of the following courses:	
ID 6403 Introduction to Historic Preservation (3)	3 hours
ID 8163 Historic Preservation Law (3)	3 hours
ID 8153 History of American Architecture and Landscape Architecture (3)	3 hours

ID 8263 Interior Details, Furniture, Materials, and Finishes (3)	3 hours
ID 8463 Historic Preservation Planning (3)	3 hours
ID 8483 Preservation Economics/Advocacy (3)	3 hours
TOTAL HOURS	15
Other Requirements:	
<ul style="list-style-type: none"> • The Graduate Certificate Historic Preservation (GCHP) must include all courses at the 6000-level or higher. • The director of the GCHP will evaluate transcripts and make recommendations for awarding the certificate. 	

2. Curriculum Outline: All courses that will be used in the GCHP are already approved courses by UCCC.

3. Student Learning Outcomes and Assessment for GCHP Certificate:

- Expected Outcomes in ID 6403 Introduction to Historic Preservation: Students will be able to understand American historic preservation as to the history, principles, and practice.
 - Assessment: Students will complete final exams in Introduction to Historic Preservation course. 100% of the students will score 80% or higher on the final exam (100-point scale).
- Expected Outcomes in ID 8153 History of American Architecture and Landscape Architecture: Students will be able to understand the history of American architecture and landscape design of North America from the colonial period to the present.
 - Assessment: Students will complete final exams in History of American Architecture and Landscape Architecture course. 100% of the students will score 80% or higher on the final exam (100-point scale).
- Expected Outcomes in ID 8163 Historic Preservation Law: Students will be able to understand and examine federal, state, and local laws that protect the cultural heritage, built and natural environments, archeological resources, and the legal framework associated with preservation programs.
 - Assessment: Students will complete final exams in Historic Preservation Law course. 100% of the students will score 80% or higher on the final exam (100-point scale).
- Expected Outcomes in ID 8263 Interior Details, Furniture, Materials, and Finishes: Students will be able to identify interior building details, furnishings, materials available, and interior finishes appropriate for buildings at the time of construction.
 - Assessment: Students will complete a final project in Interior Details, Furniture, Materials, and Finishes complying a Historic Properties Report on five historic

structures. 100% of the students will score 80% or higher on the final project (100-point scale).

- Expected Outcomes in ID 8463 Historic Preservation Planning: Students will be able to understand the theories of community planning from a historic preservation perspective.
 - Assessment: Students will complete final exams in Historic Preservation Planning course. 100% of the students will score 80% or higher on the final exam (100-point scale).
- Expected Outcomes in ID 8483 Preservation Economics/Advocacy: Students will be able to understand the economic techniques used in historic preservation projects.
 - Assessment: Students will complete final exams in Preservation Economics/Advocacy course. 100% of the students will score 80% or higher on the final exam (100-point scale).

Distance Learning Courses:

All courses that are offered through distance education will include the following actions to deter academic misconduct.

- Develop large question banks. Exams will be constructed by randomly selecting questions from a pool in such a manner that students will have unique and individual exams, but they will each be tested at the same level of difficulty and their learning will be assessed over the same concepts.
- Timed exams. Exams administered through distance education format will be timed in such a way that students will not have the opportunity to look up answers. The exam will time-out and submit automatically, and unanswered questions will not receive credit. Thus, the distance learner will be constrained to take exams under the same set of circumstances as on-campus students.
- On-line proctoring. Distance education courses will implement current and future university on-line protocols.

4. Support---see attached letter/s of support.

5. Proposed 4-Letter Abbreviation: GCHP

6. Effective Date: Fall 2023



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F. 662.325.8872

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Memo

To: Dr. Andy Perkins, Chair
University Committee on Courses and Curricula

From: Angi Elsea Bourgeois, Dean
College of Architecture, Art, & Design

Re: Support of the Graduate Certificate in Historic Preservation

Date: 1 November 2022

Please accept this memo in support of the creation of the Graduate Certificate in Historic Preservation within the Department of Interior Design in the College of Architecture, Art, & Design. We strongly support the development of this certificate, as a way to provide educational opportunities to serve the growing needs of construction, design, public policy, economic development and other fields related or associated with the conservation and preservation of historic buildings and communities. This certificate will serve as a stand-alone educational benefit, as well as a potential gateway to a graduate degree in historic preservation. The college is dedicated to supporting the needs of this certificate and its future success.



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Dr. Beth Miller, and the CAAD College Curriculum Committee

October 31, 2022

RE: Addition of Graduate Certificate in Historic Preservation

The Interior Design Program faculty is in support of the addition of the Graduate Certificate in Historic Preservation per our curriculum committee voting on October 31, 2022.

All of our faculty, listed below (including myself) are in support of these changes and have approved this document through the attached approval email thread.

Faculty:

Robin Carroll
Lyndsey Miller
Jeff Fulton
Ashley Hughes
Shadow McKnight

Thank you,

Amy Crumpton, Associate Professor, Interior Design Program Curriculum Committee Chair

Interior Design Program
Mississippi State University

CC: Suzanne Powney, Chair, CAAD College Curriculum Committee

From: [Fulton, Glen](#)
To: [Crumpton, Amy](#); [Carroll, Robin](#); [Hughes, Ashley](#); [McKnight, Shadow](#); [Miller, Lyndsey](#)
Subject: RE: Please cast your vote on the Graduate Certificate in Historic Preservation
Date: Monday, October 31, 2022 10:52:56 AM

I vote to approve.

From: Crumpton, Amy <ACrumpton@caad.msstate.edu>
Sent: Monday, October 31, 2022 5:51 AM
To: Carroll, Robin <RCarroll@caad.msstate.edu>; Fulton, Glen <jfulton@caad.msstate.edu>; Hughes, Ashley <ajh908@msstate.edu>; McKnight, Shadow <smcknight@caad.msstate.edu>; Miller, Lyndsey <llamas@caad.msstate.edu>
Subject: Please cast your vote on the Graduate Certificate in Historic Preservation

All –

Please cast your vote (and send back as quickly as possible) on supporting the Graduate Certificate in Historic Preservation as discussed in our faculty meeting/curriculum committee discussion on October 21, 2022. Please select the following below:

I **support** adding a graduate certificate in Historic Preservation **Glen Jeff Fulton, Jr.**
 I **do not support** adding a graduate certificate in Historic Preservation

Thanks for your quick turnaround on this vote!

Amy Crumpton, ASID, IDEC, NCIDQ 12935, LEED AP ID+C
Associate Professor, Interior Design
Mississippi State University
449 Hardy Road
Mississippi State, MS 39762
O: 662.325.5753



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From: [McKnight, Shadow](#)
To: [Crumpton, Amy](#); [Carroll, Robin](#); [Fulton, Glen](#); [Hughes, Ashley](#); [Miller, Lyndsey](#)
Subject: RE: Please cast your vote on the Graduate Certificate in Historic Preservation
Date: Monday, October 31, 2022 8:31:08 AM

Good morning,

I **support** adding a graduate certificate in Historic Preservation

Shadow McKnight

From: Crumpton, Amy <ACrumpton@caad.msstate.edu>
Sent: Monday, October 31, 2022 5:51 AM
To: Carroll, Robin <RCarroll@caad.msstate.edu>; Fulton, Glen <jfulton@caad.msstate.edu>; Hughes, Ashley <ajh908@msstate.edu>; McKnight, Shadow <smcknight@caad.msstate.edu>; Miller, Lyndsey <llamas@caad.msstate.edu>
Subject: Please cast your vote on the Graduate Certificate in Historic Preservation

All –

Please cast your vote (and send back as quickly as possible) on supporting the Graduate Certificate in Historic Preservation as discussed in our faculty meeting/curriculum committee discussion on October 21, 2022. Please select the following below:

support adding a graduate certificate in Historic Preservation

do not support adding a graduate certificate in Historic Preservation

Thanks for your quick turnaround on this vote!

Amy Crumpton, ASID, IDEC, NCIDQ 12935, LEED AP ID+C
Associate Professor, Interior Design
Mississippi State University
449 Hardy Road
Mississippi State, MS 39762
O: 662.325.5753



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From: [Miller, Lyndsey](#)
To: [Carroll, Robin](#)
Cc: [Crumpton, Amy](#); [Fulton, Glen](#); [Hughes, Ashley](#); [McKnight, Shadow](#)
Subject: Re: Please cast your vote on the Graduate Certificate In Historic Preservation
Date: Monday, October 31, 2022 8:10:06 AM

Amy,

I **support** adding a graduate certificate in Historic Preservation.

Lyndsey

Sent from my iPhone

On Oct 31, 2022, at 6:38 AM, Carroll, Robin <RCarroll@caad.msstate.edu> wrote:

Amy,

I **support** adding a graduate certificate in Historic Preservation

Thank you,
Robin

On Oct 31, 2022, at 5:51 AM, Crumpton, Amy
<ACrumpton@caad.msstate.edu> wrote:

All –

Please cast your vote (and send back as quickly as possible) on supporting the Graduate Certificate in Historic Preservation as discussed in our faculty meeting/curriculum committee discussion on October 21, 2022. Please select the following below:

I **support** adding a graduate certificate in Historic Preservation
 I **do not support** adding a graduate certificate in Historic Preservation

Thanks for your quick turnaround on this vote!

Amy Crumpton, ASID, IDEC, NCIDQ 12935, LEED AP ID+C
Associate Professor, Interior Design
Mississippi State University
449 Hardy Road
Mississippi State, MS 39762
O: 662.325.5753



From: [Carroll, Robin](#)
To: [Crumpton, Amy](#)
Cc: [Fulton, Glen](#); [Hughes, Ashley](#); [McKnight, Shadow](#); [Miller, Lyndsey](#)
Subject: Re: Please cast your vote on the Graduate Certificate in Historic Preservation
Date: Monday, October 31, 2022 6:38:50 AM

Amy,

I support adding a graduate certificate in Historic Preservation

Thank you,
Robin

On Oct 31, 2022, at 5:51 AM, Crumpton, Amy <ACrumpton@caad.msstate.edu> wrote:

All –

Please cast your vote (and send back as quickly as possible) on supporting the Graduate Certificate in Historic Preservation as discussed in our faculty meeting/curriculum committee discussion on October 21, 2022. Please select the following below:

I support adding a graduate certificate in Historic Preservation

I do not support adding a graduate certificate in Historic Preservation

Thanks for your quick turnaround on this vote!

Amy Crumpton, ASID, IDEC, NCIDQ 12935, LEED AP ID+C
Associate Professor, Interior Design
Mississippi State University
449 Hardy Road
Mississippi State, MS 39762
O: 662.325.5753



From: [Studdard Hughes, Ashley](#)
To: [Crumpton, Amy](#)
Subject: RE: Please cast your vote on the Graduate Certificate in Historic Preservation
Date: Monday, October 31, 2022 12:20:21 PM

I support adding a graduate certificate in Historic Preservation

From: Crumpton, Amy <ACrumpton@caad.msstate.edu>
Sent: Monday, October 31, 2022 12:12 PM
To: Studdard Hughes, Ashley <ahughes@caad.msstate.edu>
Subject: FW: Please cast your vote on the Graduate Certificate in Historic Preservation

Amy Crumpton, ASID, IDEC, NCIDQ 12935, LEED AP ID+C
Associate Professor, Interior Design
Mississippi State University
449 Hardy Road
Mississippi State, MS 39762
O: 662.325.5753



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From: Crumpton, Amy
Sent: Monday, October 31, 2022 5:51 AM
To: Carroll, Robin <RCarroll@caad.msstate.edu>; Fulton, Glen <jfulton@caad.msstate.edu>; Hughes, Ashley <ajh908@msstate.edu>; McKnight, Shadow <smcknight@caad.msstate.edu>; Miller, Lyndsey <llamas@caad.msstate.edu>
Subject: Please cast your vote on the Graduate Certificate in Historic Preservation

All –

Please cast your vote (and send back as quickly as possible) on supporting the Graduate Certificate in Historic Preservation as discussed in our faculty meeting/curriculum committee discussion on October 21, 2022. Please select the following below:

I support adding a graduate certificate in Historic Preservation
 I do not support adding a graduate certificate in Historic Preservation

Thanks for your quick turnaround on this vote!

Amy Crumpton, ASID, IDEC, NCIDQ 12935, LEED AP ID+C
Associate Professor, Interior Design
Mississippi State University

449 Hardy Road
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O: 662.325.5753



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caad.msstate.edu

Memo

To: Dr. Andy Perkins, Chair
University Committee on Courses and Curricula

From: Angi Elsea Bourgeois, Dean
College of Architecture, Art, & Design 

Re: Support of the Graduate Certificate in Historic Preservation

Date: 1 November 2022

Please accept this memo in support of the creation of the Graduate Certificate in Historic Preservation within the Department of Interior Design in the College of Architecture, Art, & Design. We strongly support the development of this certificate, as a way to provide educational opportunities to serve the growing needs of construction, design, public policy, economic development and other fields related or associated with the conservation and preservation of historic buildings and communities. This certificate will serve as a stand-alone educational benefit, as well as a potential gateway to a graduate degree in historic preservation. The college is dedicated to supporting the needs of this certificate and its future success.

Miller, Beth

From: Spence, Karen
Sent: Tuesday, November 1, 2022 5:11 PM
To: Miller, Beth
Subject: Support for Graduate Certificate in Historic Preservation

Beth—

I am writing in support of the Graduate Certificate in Historic Preservation. This would be beneficial to the design community in Mississippi as well as advance the awareness and protection of our historic sites in the state. The School of Architecture is excited about this offering.

Sincerely,
Karen

Karen Cordes Spence, Ph.D., AIA, LEED AP
Director and F.L. Crane Professor
School of Architecture
College of Architecture, Art and Design
Mississippi State University

240 Giles Hall
899 Collegeview Street
PO Box AQ
Mississippi State MS 39762
662.325.2202 Main
662.325.2529 Direct
kspence@caad.msstate.edu



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Department of Art

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November, 1 2022

Professor Beth Miller
125 Etheredge Hall
449 Hardy Road
Mississippi State University

Dear Professor Miller,

The Department of Art is pleased to support a Graduate Certificate in Historic Preservation (GCHP) in the College of Architecture Art & Design. We agree that this graduate certificate will appeal to students in areas such as history, archaeology, construction, landscape architecture, architecture, art, public policy, and other disciplines. This is a wonderful opportunity for Art students who wish to employ their skills in the field of Historic Preservation.

Please let me know if I can be of further assistance.

Sincerely,

Critz Campbell
Professor and Head
Department of Art
Mississippi State University
662-325-8926



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DEPARTMENT OF BUILDING CONSTRUCTION SCIENCE

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132 Howell Building | 823 Collegeview St.
Mississippi State, MS 39762

P. 662.325.8305
www.caad.msstate.edu

1 November, 2022

To: University Committee on Courses and Curricula

RE: Graduate Certificate in Historic Preservation

I write in support of the proposed Graduate Certificate in Historic Preservation to be offered by the Department of Interior Design. The graduate certificate has wide appeal to graduate students and practicing professionals in a diverse range of fields, including construction management. The potential for an interdisciplinary student body will strengthen the nature of the course content by allowing students to consider historic preservation from a wide range of perspectives. The course offerings are diverse and appeal to those with an interest in the planning, business, and legal aspects associated with historic preservation, as well as those with a more detailed focus on the design and materiality of historic preservation.

In addition to serving graduate students, the proposed certificate provides a valuable option for practicing professionals who would like to develop expertise in historic preservation. The option to offer courses through Campus 1 and Campus 5 will allow the graduate certificate to be available to a broad and diverse student body in the state, region, and beyond.

Sincerely,

Michele M. Herrmann
Interim Associate Head & Associate Professor
Building Construction Science

APPROVAL FORM FOR
DEGREE PROGRAMS
MISSISSIPPI STATE UNIVERSITY

NOTE: This form is a cover sheet that must accompany the degree program change proposal. The actual proposal should be prepared in accordance with format requirements provided in the *Guide and Format for Curriculum Proposals* published by the UCCC. Both cover sheet and proposal should be submitted to UCCC Mail Stop 9702 (281 Garner Hall), Phone: 325-9410.

College: Bagley College of Engineering **Department:** N/A

Contact Person: Lesley Strawderman **Mail Stop:** 9542 **E-mail:** strawderman@ise.msstate.edu

Nature of Change: Modification

Date Initiated: October 2022 **Effective Date:** Spring 2023

Current Degree Program Name: Engineering Education

Major: PhD in Engineering **Concentration:** Engineering Education

New Degree Program Name: no change

Major: no change **Concentration:** no change

Summary of Proposed Changes:

Change 1. Committee composition

The requirements for committee composition are removed from the catalog and are communicated via the graduate program guide that is distributed to enrolled ENE students.

Change 2. Qualifying exam


A preliminary exam has been added to the degree requirements.

Change 3. Academic performance criteria

The GPA for unsatisfactory academic performance has been changed from 3.30 to 3.00.

Approved:

Date:



10/27/2022

Department Head

Dana Romigal King - Academic Quality 10/28/22

T.J. Jankun-Kelly

Digitally signed by T.J. Jankun-Kelly

Chair, College or School Curriculum Committee

Date: 2022.11.04 16:30:08 -05'00'

Kari Babski-Reeves for Jason Keith

Digitally signed by Kari Babski-Reeves for Jason Keith

Dean of College or School

Date: 2022.11.07 14:26:21 -06'00'

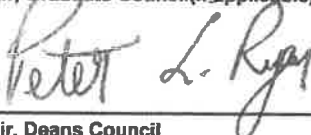


12/5/2022

Chair, University Committee on Courses and Curricula

Rebecca Richman Davis 12/14/2022

Chair, Graduate Council (if applicable)



January 17, 2023

Chair, Deans Council

1. CATALOG DESCRIPTION

No significant changes to the focus of the curriculum are proposed.

2. CURRICULUM OUTLINE

CURRENT Degree Description	PROPOSED Degree Description
<p>Degree: Doctor of Philosophy Major: Engineering</p> <p>Concentrations: Aerospace Engineering Applied Physics Biological Engineering Chemical Engineering Civil Engineering Engineering Education Mechanical Engineering</p>	<p>Degree: Doctor of Philosophy Major: Engineering</p> <p>Concentrations: Aerospace Engineering Applied Physics Biological Engineering Chemical Engineering Civil Engineering Engineering Education Mechanical Engineering</p>
<p>Existing degree description is unchanged.</p>	
<p>OVERVIEW Dr. Kari Babski-Reeves, Associate Dean for Research & Graduate Studies 106 McCain330 Walker Engineering Building Box 9544 Mississippi State, MS 39762 Telephone: 662-325-2270 Fax: 662-325-8573</p> <p>Graduate Coordinator: Dr. Lesley Strawderman 260 McCain Hall Box 9571 Mississippi State, MS 39762 Telephone: 662-325-7214 E-mail: ene-grad-coord@msstate.edu</p> <p><u>An Interdisciplinary Curriculum</u></p> <p>The Ph.D. in Engineering with a concentration in Engineering Education (ENE) incorporates theory and practice so that its students are prepared to be teachers and scholars in the emerging field of engineering education. Engineering education incorporates theory with applied practice to prepare its graduates for a wide range of careers.</p> <ul style="list-style-type: none"> • Engineering policy • Corporate training management 	<p>OVERVIEW Dr. Kari Babski-Reeves, Associate Dean for Research & Graduate Studies 106 McCain330 Walker Engineering Building Box 9544 Mississippi State, MS 39762 Telephone: 662-325-2270 Fax: 662-325-8573</p> <p>Graduate Coordinator: Dr. Lesley Strawderman 260 McCain Hall Box 9571 Mississippi State, MS 39762 Telephone: 662-325-7214 E-mail: ene-grad-coord@msstate.edu</p> <p><u>An Interdisciplinary Curriculum</u></p> <p>The Ph.D. in Engineering with a concentration in Engineering Education (ENE) incorporates theory and practice so that its students are prepared to be teachers and scholars in the emerging field of engineering education. Engineering education incorporates theory with applied practice to prepare its graduates for a wide range of careers.</p> <ul style="list-style-type: none"> • Engineering policy • Corporate training management • Educational technology development

- Educational technology development
- University assessment
- University administration
- Academia
- Research and scholarship

Graduates of the doctoral program will be able to conduct and direct research in engineering education, develop, review, and critique effective research designs, effectively teach engineering subjects, design and assess engineering programs, and address critical issues facing engineering education.

The engineering education graduate program is interdisciplinary, with faculty drawn from the academic departments of the Bagley College of Engineering and the College of Education. The program of study and research leads to the Doctor of Philosophy in Engineering degree with a concentration in Engineering Education *and is offered on the Starkville campus.*

Admission Criteria--An applicant for admission to graduate study must hold a bachelor's degree from a fully recognized four-year educational institution that has unconditional accreditation with appropriate accreditation agencies. He/she must meet the admission requirements of the Graduate School and receive a positive recommendation by the Engineering Education Program Committee. Admission is based primarily on past performance, letters of recommendation, Grade Record Examination (GRE) scores, and the applicant's demonstrated ability to be successful in the ENE Ph.D. program. Applicants with a bachelor's or master's degree from a program accredited by the Engineering Accreditation Commission (EAC) of ABET are preferred.

Regular admission to graduate study in the ENE Ph.D. program for students entering with only a Bachelor's degree requires a minimum grade point average (last four semesters of undergraduate work) of 3.50/4.00. Regular admission to graduate study in the ENE Ph.D. program for students entering with a Master's degree requires a minimum grade point average of 3.30/4.00 in the student's graduate work. When a student is deficient in one of the criteria cited, the student's application, nevertheless, may be considered for admission based on the strength of other materials contained in the student's application. However, reasonable minimum levels of performance must be achieved in both the applicant's GPA and GRE scores. International applicants not holding degrees from U.S. institutions must submit a Test of English as a Foreign Language (TOEFL) report of 575 PBT (84 iBT) or an International English Language Testing Systems (IELTS) score of 7.0 or higher to be considered for admission.

- University assessment
- University administration
- Academia
- Research and scholarship

Graduates of the doctoral program will be able to conduct and direct research in engineering education, develop, review, and critique effective research designs, effectively teach engineering subjects, design and assess engineering programs, and address critical issues facing engineering education.

The engineering education graduate program is interdisciplinary, with faculty drawn from the academic departments of the Bagley College of Engineering and the College of Education. The program of study and research leads to the Doctor of Philosophy in Engineering degree with a concentration in Engineering Education.

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Regular admission to graduate study in the ENE Ph.D. program for students entering with only a bachelor's degree requires a minimum grade point average (last four semesters of undergraduate work) of 3.50/4.00. Regular admission to graduate study in the ENE Ph.D. program for students entering with a master's degree requires a minimum grade point average of 3.30/4.00 in the student's graduate work. When a student is deficient in one of the criteria cited, the student's application, nevertheless, may be considered for admission based on the strength of other materials contained in the student's application. However, reasonable minimum levels of performance must be achieved in both the applicant's GPA and GRE scores. International applicants not holding degrees from U.S. institutions must submit a Test of English as a Foreign Language (TOEFL) report of 575 PBT (84 iBT) or an International English Language Testing Systems (IELTS) score of 7.0 or higher to be considered for admission.

Provisional Admission--An applicant who has not fully met the GPA requirement stipulated by the University may be admitted on a provisional basis. The provisionally-admitted student is eligible for a change to regular status after receiving a 3.50 GPA on the first 9 hours of graduate courses at Mississippi State University (with no grade lower than a B). The first 9 hours of graduate courses must be within the student's program of study. Courses with an S grade, transfer credits, or credits earned while in Unclassified status cannot be used to satisfy this requirement. If a 3.50 GPA is not attained on the first 9 hours of graduate courses, the provisional student shall be dismissed from the graduate program. While in the provisional status, a student is not eligible to hold a graduate assistantship. The minimum acceptable undergraduate grade point average for admission as a provisional student is 3.00/4.00 for the junior and senior years.

Contingent Admission--A student not possessing a B.S. or M.S. degree in an engineering or computer science discipline may be granted contingent admission, depending on qualifications and experience. A plan of action toward regular admission is formed by the ENE Graduate Coordinator and ENE Program Committee on a case-by-case basis. Typically, contingency is removed by completing undergraduate prerequisite courses in the first few terms after admission. Contingency-admitted students must maintain at least a 3.50/4.00 GPA on all undergraduate prerequisite courses prescribed by their contingency plan of action. For more information, please contact the ENE Graduate Coordinator.

PROGRAM OF STUDY

The specific requirements for the Ph.D. in Engineering with a concentration in engineering Education degree are governed by the requirements of the Graduate School, the Bagley College of Engineering, and by the student's graduate committee. *The ENE Ph.D. student's graduate committee must include at least two Engineering Education faculty, one College of Education faculty member, and one faculty member from their engineering technical subject area.* The graduate committee will ensure that the student's program of study adequately addresses each of the three primary cross-disciplinary areas: engineering education, educational theory/cognitive science/psychology, and an engineering technical area. The Engineering Education Graduate Coordinator must approve the composition of the graduate committee.

Provisional Admission--An applicant who has not fully met the GPA requirement stipulated by the University may be admitted on a provisional basis. The provisionally-admitted student is eligible for a change to regular status after receiving a 3.50 GPA on the first 9 hours of graduate courses at Mississippi State University (with no grade lower than a B). The first 9 hours of graduate courses must be within the student's program of study. Courses with an S grade, transfer credits, or credits earned while in Unclassified status cannot be used to satisfy this requirement. If a 3.50 GPA is not attained on the first 9 hours of graduate courses, the provisional student shall be dismissed from the graduate program. While in the provisional status, a student is not eligible to hold a graduate assistantship. The minimum acceptable undergraduate grade point average for admission as a provisional student is 3.00/4.00 for the junior and senior years.

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PROGRAM OF STUDY

The specific requirements for the Ph.D. in Engineering with a concentration in Engineering Education degree are governed by the requirements of the Graduate School, the Bagley College of Engineering, and by the student's graduate committee. The graduate committee will ensure that the student's program of study adequately addresses each of the three primary cross-disciplinary areas: engineering education, educational theory/cognitive science/psychology, and an engineering technical area. The Engineering Education Graduate Coordinator must approve the composition of the graduate committee.

The Engineering Education Graduate Coordinator and the student's graduate committee must approve the student's program of study.

The Doctor of Philosophy in Engineering with a concentration in Engineering Education, in addition to the coursework and research hours, *includes an oral preliminary, a dissertation, and a dissertation defense*. Each candidate for the doctoral degree must conduct research and in their dissertation defense on that research demonstrate a mastery of the techniques of research and make a distinct contribution to the field of Engineering Education. The dissertation must conform to the rules of the Graduate School.

Students in the ENE PhD program are required to pass the oral comprehensive examination in accordance with the program requirements and all Graduate School policies. The student must have completed, or be within 6 hours of completing, their program of study coursework. The comprehensive exam consists of topics from the student's completed program of study, a presentation of current research activities toward the student's dissertation, and a detailed plan/proposal of dissertation research to be done. Upon successful completion of the comprehensive exam and all coursework on the student's program of study, the student advances to PhD candidacy.

Ph.D. candidates are required to pass a public dissertation defense to graduate. The Graduate Catalog lists dissertation defense requirements. Additionally, Ph.D. Candidates must submit two journal papers from their dissertation prior to graduation. They receive the ENE Graduate Coordinator's signature on the signature page, a Ph.D. candidate must provide proof of two journal submissions from the dissertation work; otherwise, the Ph.D. candidate will not be allowed to graduate. Journal paper submissions from work not a part of the dissertation, while strongly encouraged, cannot be used to satisfy this requirement.

Academic Performance

In addition to the criteria defined in the current Graduate Catalog, unsatisfactory performance in the Ph.D. program in Engineering with a concentration in Engineering Education is defined as any of the following;

- Failure to maintain a 3.50/4.00 or better GPA on all prerequisite undergraduate courses taken while in the ENE Ph.D. program.
- Failure to maintain a 3.30/4.00 or better GPA on all graduate courses attempted.

The Engineering Education Graduate Coordinator and the student's graduate committee must approve the student's program of study.

The Doctor of Philosophy in Engineering with a concentration in Engineering Education, in addition to the coursework and research hours, **includes a qualifying exam, a comprehensive exam, a dissertation, and a dissertation defense**. Each candidate for the doctoral degree must conduct research and in their dissertation defense on that research demonstrate a mastery of the techniques of research and make a distinct contribution to the field of Engineering Education. The dissertation must conform to the rules of the Graduate School.

Ph.D. candidates are required to pass a public dissertation defense to graduate. The Graduate Catalog lists dissertation defense requirements. Additionally, Ph.D. Candidates must submit two journal papers from their dissertation prior to graduation. To receive the ENE Graduate Coordinator's signature on the signature page, a Ph.D. candidate must provide proof of two journal submissions from the dissertation work; otherwise, the Ph.D. candidate will not be allowed to graduate. Journal paper submissions from work not a part of the dissertation, while strongly encouraged, cannot be used to satisfy this requirement.

Academic Performance

In addition to the criteria defined in the current Graduate Catalog, unsatisfactory performance in the Ph.D. program in Engineering with a concentration in Engineering Education is defined as any of the following;

- Failure to maintain a 3.50/4.00 or better GPA on all prerequisite undergraduate courses taken while in the ENE Ph.D. program.
- Failure to maintain a 3.00/4.00 or better GPA on all graduate courses attempted.

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses		College Required Courses	
Major Required Courses		Major Required Courses	
Concentration 1 (Engineering Education). Courses		Concentration 1 (Engineering Education). Courses	
ENE 8003 Foundations in Engineering Education	3	ENE 8003 Foundations in Engineering Education	3
ENE 8303 Pedagogy & Assessment in Engineering Education	3	ENE 8303 Pedagogy & Assessment in Engineering Education	3
EDF 8363 Functions & Methods of Research in Education	3	EDF 8363 Functions & Methods of Research in Education	3
EDF 9373 Education Research Design	3	EDF 9373 Education Research Design	3
IE6623 Engineering Statistics II	3	IE6623 Engineering Statistics II	3
Advanced Statistics course (see graduate coordinator for a list of approved courses)	3	Advanced Statistics course (see graduate coordinator for a list of approved courses)	3
Select graduate courses in EDF and EPY	6	Select graduate courses in EDF and EPY	6
Other engineering graduate courses	18	Other engineering graduate courses	18
Select graduate elective courses	6	Select graduate elective courses	6
ENE 9000 dissertation credit	20	ENE 9000 dissertation credit	20
Concentration 2. Courses		Concentration 2. Courses	
Total Hours (Engineering Education Concentration)		Total Hours (Engineering Education Concentration)	
Ph.D. (beyond baccalaureate)	68	Ph.D. (beyond baccalaureate)	68

3. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

Three changes are proposed in this application, as detailed below. There are no changes in student learning outcomes.

Change 1. Committee composition

The requirements for committee composition are removed from the catalog and are communicated via the graduate program guide that is distributed to enrolled ENE students. This allows for the flexibility of committee assignments based upon a student's research area within engineering education. The following information will be in the ENE graduate program guide:

"The ENE PhD student's graduate committee must include at least two Engineering Education faculty members (one of which is major professor), one faculty member outside of engineering and ENE, and one faculty member from their engineering technical subject area."

Change 2. Qualifying exam

A preliminary exam has been added to the degree requirements. The preliminary exam is intended to assess the student's readiness to begin independent research prior to the writing of the dissertation proposal (comprehensive exam). Details about each exam are communicated via the graduate program guide that is distributed to enrolled ENE students. The following information will be in the graduate program guide:

"Students in the ENE PhD program must pass a qualifying exam prior to beginning dissertation research. The qualifying exam can be taken once the student completes their ENE and education coursework. To begin the qualifying exam process, a student should submit a research prospectus (i.e. concept paper, white paper) to their committee. Each committee member will provide a question for the student's qualifying exam based on the written prospectus. Students will typically have two weeks to write responses to each question (four weeks for distance students). After the written responses are submitted, an oral defense will be scheduled for the qualifying exam.

Students in the ENE PhD program are required to pass the comprehensive examination in accordance with the program requirements and all Graduate School policies. The student must have completed, or be within 6 hours of completing, their program of study coursework. The comprehensive exam consists of the student's dissertation proposal. A written proposal, followed by an oral presentation, must be completed. The proposal must include motivation for the research, research context with literature citations, research questions, detailed methods, and a timeline of activities that will be completed to finish the dissertation research. The student must demonstrate independent research capability in the comprehensive exam. Upon successful completion of the comprehensive exam and all coursework on the student's program of study, the student advances to PhD candidacy."

Change 3. Academic performance criteria

The GPA for unsatisfactory academic performance has been changed from 3.30 to 3.00.

4. SUPPORT

See letter of support from Engineering Education graduate committee.

5. PROPOSED ABBREVIATION

ENE

6. EFFECTIVE DATE

Spring 2023

October 11, 2022

To: Bagley College of Engineering Committee on Courses and Curricula
University Committee on Courses and Curricula

From: Graduate Committee
Engineering Education PhD Program


RE: Engineering Education (ENE) Degree Modification

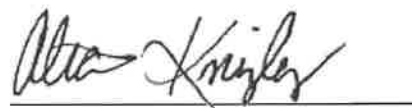
The ENE graduate committee offers full support of the proposed degree modifications for the ENE PhD program regarding (1) committee composition, (2) qualifying exam, and (3) academic performance criteria.

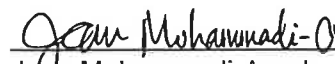
Lesley
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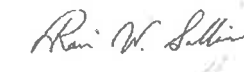
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Strawderman
Date: 2022.10.11 13:45:51
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Lesley Strawderman
Professor, ISE
ENE Graduate Coordinator


Seamus Freyne
Associate Professor, CEE


Alta Knizley
Assistant Clinical Professor, ME


Jean Mohammadi-Aragh
Associate Professor, ECE


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Date: 2022.10.20 23:52:41 -05'00'

Rani Sullivan
Professor and Head, ASE

APPROVAL FORM FOR
DEGREE PROGRAMS
MISSISSIPPI STATE UNIVERSITY

NOTE: This form is a cover sheet that must accompany the degree program change proposal. The actual proposal should be prepared in accordance with format requirements provided in the *Guide and Format for Curriculum Proposals* published by the UCCC. Both cover sheet and proposal should be submitted to UCCC Mail Stop 9702 (281 Garner Hall), Phone: 325-9410.

College: Veterinary Medicine

Department: Clinical Sciences

Contact Person: Michaela Beasley

Mail Stop:

E-mail: mjb202@msstate.edu

Nature of Change: Shortening of some clinical rotations, Addition of new clinical rotations

Date Initiated: 10.6.22

Effective Date: Summer 2023

Current Degree Program Name: Doctor of Veterinary Medicine

Major: Veterinary Medicine

Concentration:

New Degree Program Name: Doctor of Veterinary Medicine

Major: Veterinary Medicine

Concentration:

Summary of Proposed Changes:

Changes in Year 3

- 1) CVM 5276 Food Animal Medicine and Surgery rotation will be modified and shortened by two weeks to become CVM 5274 Food Animal Medicine and Surgery rotation.
- 2) CVM 5266 Equine Medicine and Surgery rotation will be modified and shortened by two weeks to become CVM 5264 Equine Medicine and Surgery rotation.
- 3) A new four-week rotation, CVM 5254 Large Animal Intensive Care rotation will be added/created to cover the content removed from the rotations in 1 & 2.
- 4) CVM 5246 Community Veterinary Services (CVS) rotation will be modified and shortened by two weeks and become CVM 5304 Community Veterinary Services.
- 5) CVM 5256 Small Animal Surgery rotation will be modified and shortened by two weeks and become CVM 5314 Small Animal Surgery rotation.
- 6) CVM 5273 Population Medicine will have a week added and will become CVM 5674 Population Medicine

Changes in Year 4

- 7) CVM 5380 Small Animal Internal Medicine rotation will be modified and shortened by two weeks to become CVM 5414 Small Animal Internal Medicine.
- 8) CVM 5364 Veterinary Specialty Center rotation will be modified to become CVM 5364 Veterinary Neurology/Neurosurgery rotation. It will stay the same length but will assume a new name to reflect content.
- 9) CVM 5640 Shelter Medicine Spay/ Neuter rotation will move from an elective course to a required core rotation and become CVM 5642 Shelter Medicine/Spay Neuter.
- 10) CVM 5316 Specialty Medicine rotation will be added/created to house content removed from other rotations (CVM 5380, CVM 5246 and CVM 5364)
- 11) CVM 5294 Enhanced Clinical Practicum will be created and added to the core requirements. This course will be required twice. Allowing students to experience veterinary medicine in two private practice environments at least one of which will be in mixed animal or rural practice.

Approved:

Date:



10/6/2022

Department Head



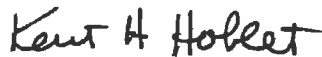
10/17/22

Director of Academic Quality



10.17.22

Chair, College or School Curriculum Committee



10-17-22

Dean of College or School



December 15, 2022

Chair, University Committee on Courses and Curricula

Chair, Graduate Council (if applicable)



January 17, 2023

Chair, Deans Council

DEGREE MODIFICATION OUTLINE FORM

Use the chart below to indicate your new degree outline. If any General Education (Core) course is acceptable in the category, please indicate by saying "any Gen Ed course". There is no need to type in the whole list. All deleted courses and information should be shown in *italics* and all new courses and information in **bold**. Include the course prefix, number, and title.

CURRENT Degree Description	PROPOSED Degree Description
<p>Degree: Doctor of Veterinary Medicine (DVM) Major: Concentration:</p> <p>The professional curriculum is divided into two phases-Phase I (DVM 1 and DVM 2 years) and Phase 2, (DVM 3 and DVM 4 years). Phase 1 is conducted in a lecture/lab format. Phase 2 is conducted in a clinical and elective format. During Phase 2, students participate in <i>fourteen</i> required rotations. In these rotations students actively participate in the clinical diagnosis and management of patients admitted to the Animal Health Center and affiliated sites. During the final year (DVM4) students complete 6 core courses (totaling 19 credits) and will fulfill the remainder of their required 46 credits with electives. The options for these electives include: elective clinical rotations, externships experiences, small group or discussion based courses and directed individual study (DIS) opportunities. In essence, each student, working closely with a faculty advisor, designs a schedule which most uniquely meets the student's needs and career preferences. Conducted in an experiential learning mode, the clinical rotations and many of the electives continue to make the student partly responsible for their own education. The clinical cases or elective courses provide the environment for continued student growth and development.</p>	<p>Degree: Doctor of Veterinary Medicine (DVM) Major: Concentration:</p> <p>The professional curriculum is divided into two phases-Phase I (DVM 1 and DVM 2 years) and Phase 2, (DVM 3 and DVM 4 years). Phase 1 is conducted in a lecture/lab format. Phase 2 is conducted in a clinical and elective format. During Phase 2, students participate in nineteen required rotations. In these rotations students actively participate in the clinical diagnosis and management of patients admitted to the Animal Health Center and affiliated sites. During the final year (DVM4) students complete 10 core courses (totaling 33 credits) and will fulfill the remainder of their required 46 credits with electives. The options for these electives include: elective clinical rotations, externships experiences, small group or discussion based courses and directed individual study (DIS) opportunities. In essence, each student, working closely with a faculty advisor, designs a schedule which most uniquely meets the student's needs and career preferences. Conducted in an experiential learning mode, the clinical rotations and many of the electives continue to make the student partly responsible for their own education. The clinical cases or elective courses provide the environment for continued student growth and development.</p>

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
<u>Year 1 (DVM1) Fall Semester</u> CVM 5011 Professional Development I CVM 5013 Veterinary Neuroscience CVM 5021 Professional Development II CVM 5023 Infectious Agents I CVM 5033 Immunology CVM 5036 Veterinary Physiology CVM 5046 Veterinary Anatomy I CVM 5073 Veterinary Histology	25	<u>Year 1 (DVM1) Fall Semester</u> CVM 5011 Professional Development I CVM 5013 Veterinary Neuroscience CVM 5021 Professional Development II CVM 5023 Infectious Agents I CVM 5033 Immunology CVM 5036 Veterinary Physiology CVM 5046 Veterinary Anatomy I CVM 5073 Veterinary Histology	25
<u>Year 1 (DVM 1) Spring Semester</u> CVM 5022 Veterinary Epidemiology CVM 5044 Intro to Veterinary Pathology CVM 5072 Veterinary Anatomy II CVM 5111 Professional Development III CVM 5163 Veterinary Parasitology CVM 5193 Infectious Agents II CVM 5223 Pharmacology I	18	<u>Year 1 (DVM 1) Spring Semester</u> CVM 5022 Veterinary Epidemiology CVM 5044 Intro to Veterinary Pathology CVM 5072 Veterinary Anatomy II CVM 5111 Professional Development III CVM 5163 Veterinary Parasitology CVM 5193 Infectious Agents II CVM 5223 Pharmacology I	18
<u>Year 2 (DVM 2) Fall Semester</u> CVM 5123 Vet Clinical Pathology CVM 5143 Theriogenology CVM 5152 Vet Toxicology CVM 5153 Equine Medicine & Surg I CVM 5186 Small Animal Med & Surg I CVM 5213 Intro to Vet Anesthesiology CVM 5553 Pharmacology II	23	<u>Year 2 (DVM 2) Fall Semester</u> CVM 5123 Vet Clinical Pathology CVM 5143 Theriogenology CVM 5152 Vet Toxicology CVM 5153 Equine Medicine & Surg I CVM 5186 Small Animal Med & Surg I CVM 5213 Intro to Vet Anesthesiology CVM 5553 Pharmacology II	23
<u>Year 2 (DVM 2) Spring Semester</u> CVM 5121 Professional Development IV CVM 5133 Veterinary Preventive Med CVM 5162 Diagnostic Imaging CVM 5173 Equine Medicine & Surg II CVM 5175 Food Animal Medicine & Surg CVM 5183 Special Species CVM 5196 Small Animal Med & Surg II	23	<u>Year 2 (DVM 2) Spring Semester</u> CVM 5121 Professional Development IV CVM 5133 Veterinary Preventive Med CVM 5162 Diagnostic Imaging CVM 5173 Equine Medicine & Surg II CVM 5175 Food Animal Medicine & Surg CVM 5183 Special Species CVM 5196 Small Animal Med & Surg II	23
<u>Year 3 (DVM 3) Core Clinical Rotations</u> CVM 5214 Laboratory Services CVM 5224 Radiology CVM 5234 Anesthesiology CVM 5276 Food Animal Medicine & Surg CVM 5266 Equine Medicine & Surg CVM 5246 Community Veterinary Service CVM 5256 Small Animal Surgery CVM 5273 Population Medicine	39	<u>Year 3 (DVM 3) Core Clinical Rotations</u> CVM 5214 Laboratory Services CVM 5224 Radiology CVM 5234 Anesthesiology CVM 5274 Food Animal Medicine & Surg CVM 5264 Equine Medicine & Surg CVM 5304 Community Veterinary Service CVM 5314 Small Animal Surgery CVM 5674 Population Medicine CVM 5254 Large Animal Intensive Care Rotation	36

<p><u>Year 4 (DVM 4) Core Clinical Rotations</u></p> <p>CVM 5282 Ambulatory/Large Animal Primary Care CVM 5301 Clinical Pathologic Conf CVM 5314 Small Animal Emerg & Critical Care Medicine <i>CVM 5380 Small Animal Internal Med</i> CVM 5292 Flowood/MVRDL Externship <i>CVM 5364 Veterinary Specialty Center</i></p>	<p>19</p>	<p><u>Year 4 (DVM 4) Core Clinical Rotations</u></p> <p>CVM 5282 Ambulatory/Large Animal Primary Care CVM 5301 Clinical Pathologic Conf CVM 5314 Small Animal Emerg & Critical Care Medicine CVM 5414 Small Animal Internal Med CVM 5292 Flowood/MVRDL Externship CVM 5364 Veterinary Neurology/Neurosurgery Rotation</p> <p>CVM 5316 Specialty Medicine Rotation CVM 5332 Shelter Medicine Spay/Neuter Rotation CVM 5294 Enhanced Clinical Practicum CVM 5294 Enhanced Clinical Practicum (repeated once)</p>	<p>33</p>
<p><u>Elective Options</u></p>	<p>Min of 27</p>	<p><u>Elective Options</u></p>	<p>Min of 13</p>
<p><i>CVM 5640 Shelter Medicine Spay Neuter</i></p> <p>CVM 5000 DIS in Vet Med 1 CVM 5182 Vet Disaster Mgmt. CVM 5222 Sm An Clin Nutrition CVM 5242 Sm An Dermatology CVM 5382 Cytology Elective CVM 5392 Pharmacy CVM 5420 Advanced Rotation-Radiology (1-6 hours) CVM 5430 Advanced Rotation-Anesthesiology (1-6 hours) CVM 5452 Sm An Physical Rehab CVM 5454 Adv Rot in Small Animal Surg CVM 5464 Adv Rot Equine Med & Surg CVM 5474 Adv Rot Food Animal Pract CVM 5484 Adv Rot Small Animal Internal Medicine CVM 5510 Animal Industry Ext 1(1-6 hrs) CVM 5520 Animal Industry Ext 2(1-6 hrs) CVM 5530 Animal Industry Ext 3(1-6 hrs) CVM 5540 Animal Industry Ext 4(1-6 hrs) CVM 5550 Animal Industry Ext 5(1-6 hrs) CVM 5552 Veterinary Cardiology CVM 5560 Advanced Clinical Rotation 1 (ACR 1) (1-6 hrs) CVM 5570 Advanced Clinical Rotation 2 (ACR 2) (1-6 hrs) CVM 5580 Advanced Clinical Rotation 3 (ACR 3) (1-6 hrs) CVM 5602 Comparative Endocrinology CVM 5622 Vet Diagnostic Toxicology CVM 5644 Applied Gross Anatomy</p>		<p>(moves to core rotation)</p> <p>CVM 5000 DIS in Vet Med 1 CVM 5182 Vet Disaster Mgmt. CVM 5221 Clin Rot Shelter Med CVM 5222 Sm An Clin Nutrition CVM 5242 Sm An Dermatology CVM 5382 Cytology Elective CVM 5392 Pharmacy CVM 5420 Advanced Rotation-Radiology (1-6 hours) CVM 5430 Advanced Rotation-Anesthesiology (1-6 hours) CVM 5452 Sm An Physical Rehab CVM 5454 Adv Rot in Small Animal Surg CVM 5464 Adv Rot Equine Med & Surg CVM 5474 Adv Rot Food Animal Pract CVM 5484 Adv Rot Small Animal Internal Medicine CVM 5510 Animal Industry Ext 1(1-6 hrs) CVM 5520 Animal Industry Ext 2(1-6 hrs) CVM 5530 Animal Industry Ext 3(1-6 hrs) CVM 5540 Animal Industry Ext 4(1-6 hrs) CVM 5550 Animal Industry Ext 5(1-6 hrs) CVM 5552 Veterinary Cardiology CVM 5560 Advanced Clinical Rotation 1 (ACR 1) (1-6 hrs) CVM 5570 Advanced Clinical Rotation 2 (ACR 2) (1-6 hrs) CVM 5580 Advanced Clinical Rotation 3 (ACR 3) (1-6 hrs) CVM 5602 Comparative Endocrinology CVM 5622 Vet Diagnostic Toxicology</p>	

CVM 5652 Equine Podiatry CVM 5654 Applied Vet Parasitology CVM 5662 Clinical Neurology CVM 5672 Veterinary Dentistry CVM 5682 Veterinary Ophthalmology CVM 5692 Art and Business Mgmt CVM 5694 Veterinary Cytology CVM 5702 Clin Hematology and Immunology CVM 5714 Adv Small Animal Derm (lect) CVM 5722 Small Ruminant Prod Med CVM 5754 Adv Small Animal Surgery CVM 5764 Adv Equine Reproduction CVM 5772 Canine Theriogenology CVM 5784 Clinical Behavior Medicine CVM 5802 Prac. Sm Animal Oncology CVM 5812 Behavior for Comp An Veterinarian CVM 5814 The Feline Patient CVM 5840 Veterinary Student Research CVM 5842 Clinical Pharmacology CVM 5854 Aquarium Health Mgmt CVM 5862 Equine Lameness CVM 5864 Bovine Production Med CVM 5882 Sm An Gastroenterology CVM 5990 Special Topics in Vet Medicine I (1-6 hrs) <i>CVM 5906 Tropical Veterinary Medicine & One Health</i>		CVM 5644 Applied Gross Anatomy CVM 5652 Equine Podiatry CVM 5654 Applied Vet Parasitology CVM 5662 Clinical Neurology CVM 5672 Veterinary Dentistry CVM 5682 Veterinary Ophthalmology CVM 5692 Art and Business Mgmt CVM 5694 Veterinary Cytology CVM 5702 Clin Hematology and Immunology CVM 5714 Adv Small Animal Derm (lect) CVM 5722 Small Ruminant Prod Med CVM 5754 Adv Small Animal Surgery CVM 5764 Adv Equine Reproduction CVM 5772 Canine Theriogenology CVM 5784 Clinical Behavior Medicine CVM 5802 Prac. Sm Animal Oncology CVM 5812 Behavior for Comp An Veterinarian CVM 5814 The Feline Patient CVM 5840 Veterinary Student Research CVM 5842 Clinical Pharmacology CVM 5854 Aquarium Health Mgmt CVM 5862 Equine Lameness CVM 5864 Bovine Production Med CVM 5882 Sm An Gastroenterology CVM 5990 Special Topics in Vet Medicine I (1-6 hrs) CVM 5903 Tropical Veterinary Medicine & One Health	
Total DVM 4 Credits Required (minimum) (Core plus electives)	46	Total DVM 4 Credits Required (minimum) Core plus electives)	46
Total Hours in Degree Program	171	Total Hours in Degree Program	171

Students must complete a minimum of 46 hours/credits during Year 4. Available electives can be selected from the above listed CVM courses or from university courses upon advisor's approval.

JUSTIFICATION AND STUDENT LEARNING OUTCOMES

The proposed degree modification is justified to allow for the DVM curriculum to accommodate the increased numbers of veterinary students who will be beginning clinical rotations. CVM was approved by our accrediting body to increase its student enrollment but will be monitored to ensure that all student outcomes and curriculum learning objectives remain unchanged. All proposed new courses and course modifications serve to best align the current needs of the clinical rotations for student numbers while continuing to ensure that our established student learning outcomes (SLOs) continue to be met. Each of our SLOs are matched to one or more of the AVMA Council on Education's list of nine clinical competencies which all AVMA-COE accredited veterinary programs must demonstrate graduate competency. Student assessments in each of the clinical rotation are also linked to the nine AVMA-COE clinical competencies. The College's SLO's for the nine clinical competencies are provided in a separate document with this submission.

The proposed curricular modifications will further enhance student learning opportunities, the student experience and address several student wellness concerns. All proposed changes are being made to allow for smoother scheduling of students for rotations throughout the year, more emphasis on student wellness concerns related to workload, ensuring a sufficient exposure of all students to rural/mixed animal private practices, and simultaneously meeting the needs of greatly expanding clinical case load in certain areas. All changes being proposed have followed a multi-year deliberative process of anticipated curricular modification needed to meet several recognized and forecasted needs that were anticipated with our recent increase in class size from 95 to 112 students.

1. Will this program change meet local, state, regional, and national educational and cultural needs?

Yes, the proposed curricular modifications will meet and further enhance the educational needs of our students as well as the service needs of our varied stakeholders at all levels. The proposed changes are primarily targeted towards students with the goal of ensuring they are well prepared to enter and effectively serve the needs of broad communities in which they may practice. Student wellness concerns will also be addressed allowing us to meet the changing expectations related to workload in teaching hospitals. Additionally, these changes will allow MSU-CVM to better meet the caseload growth and changing needs of our patient population and their owners. All local, state, regional and national educational needs will continue to be met with the proposed this program change.

2. Will this program change result in duplication in the System? If so, please describe.

No, there will be no duplication in the System.

3. Will this program change/advance student diversity within the discipline? If so, please describe.

Yes, student diversity within the discipline will be advanced primarily with the addition of the Enhanced Clinical Practicum (ECPs). These courses will ensure that every student is exposed to private rural/mixed animal practice and increase the diversity of our graduates who are capable of serving in that underserved sector of the profession. The proposed changes will also allow us to attract a more diverse population of students because of the additional experiences this new design will allow.

4. Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? If so, please describe.

Yes, the ECP's will ensure that all of our graduates will have been exposed to rural/mixed animal practice environment. This will provide our graduates with the knowledge and experience to enter this type of practice (which is the predominant practice type in many locations in MS and the Southeast) following graduation. Students who complete this revised curriculum will have skills which will make them more marketable to placement in practices in MS and the Southeast region.

5. Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? If so, please describe.

Yes, the proposed changes will provide additional clinical experiences to all DVM students and make them a more marketable associate with the potential to increase their starting salary. Employers will recognize the added expertise the proposed curriculum will provide for our DVM students and will see the value in hiring a graduate who is capable of managing a more diverse caseload that the proposed curriculum will be able to provide. Students will be better trained to recognize and treat clinical cases commonly seen in mixed animal practices which will increase their potential value to their employers and demand higher salaries for our graduates.

SUPPORT

See attached letter of support from the College of Veterinary Medicine Curriculum Committee.

PROPOSED 4-LETTER ABBREVIATION
No change

EFFECTIVE DATE
Summer/ May 2023

September 19, 2022

University Committee on Courses and Curricula
279 Garner Hall
MS State, MS 39762

Dear UCCC,

This letter is to demonstrate that the CVM Curriculum Committee supports the modification of the core curriculum changes associated with the Neurology and Neurosurgery rotation, Equine Medicine and Surgery rotation, Food Animal Medicine and Surgery rotation, Small Animal Internal Medicine rotation, Small Animal Surgery rotation, Community Veterinary Services rotation and Population Medicine rotation.

As well, we support the change of the elective rotation, Shelter Medicine Spay and Neuter rotation, to become a required core rotation.

In addition, we support the addition of the rotations of Specialty Medicine rotation, Large Animal Intensive Care rotation and Enhanced Clinical Practicum to the required Phase II curriculum.

These changes will better support the growing demand for veterinarians and subsequent larger class sizes while maintaining the clinical experience across all large and small animal specialties.

Our curriculum committee chair, Michaela Beasley, can be contacted by 662-325-7339 or mjb202@msstate.edu.

Thank you,

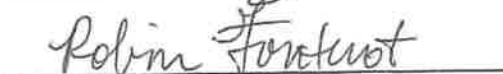
CVM Curriculum Committee



Chair



Member



Member



Member



Member



Member