A MEMORANDUM

DATE: March 13, 2025

TO: Academic Deans Council

FROM: Dr. Andy Perkins
UCCC Chair

RE: Change Notice 7

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 March 26, 2025 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

AGRICULTURE AND LIFE SCIENCES

Modification	ADS 1132	**Approved**	**FROM: ADS 1132 Introduction to Horsemanship** One hour lecture. Two hours laboratory. Principles of riding, managing, and training pleasure horses. **TO: ADS 1132 Horse Safety and Handling** One hour lecture. Two hours laboratory. This introductory course is designed to provide students with the knowledge of how to work around horses safely and effectively. Topics for discussion will include equine behavior, proper handling techniques, controlling movement of horses, and basic management. Method of Delivery: F 30 Char: Horse Handling Effective: Spring 2025
Modification +Distance	AELC 8203	**Approved**	**AELC 8203 Advanced Communication in Agricultural and Extension Education** Three hours lecture. Updating of principles of communicating information in the fields of agriculture/ agribusiness, natural resources, and home economics; review and updating of communications techniques. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2025
Modification +Distance	AELC 8503	**Approved**	**AELC 8503 Program Planning and Development in Agricultural and Extension Education** Three hours lecture. Principles, theory, and practice in developing local and state programs of vocational, technical, and extension education. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2025

ARCHITECTURE ART AND DESIGN

Technical Change	ART 1013	**Approved**	**FROM: ART 1013 Art History I** **TO: ART 1013 Art History Pre-1300s** Method of Instruction: C 30 Char: Art History Pre-1300s Effective: Fall 2025
Technical Change	ART 1023	**Approved**	**FROM: ART 1013 Art History II** **TO: ART 1013 Art History post 1300s** 30 Char: Art History post 1300s Effective: Fall 2025
Modification	ART 2803	**Approved**	**FROM: ART 2803 Introduction to Computing for ART** (Prerequisites: ART 1133 or permission of the instructor). One hour lecture. Four hours studio. Introduction to desktop computer hardware, operating systems, and application software in the visual arts and design.

			TO: ART 2803 Digital Design I Six hour studio. Introduction to digital creative applications in the visual arts and design. Method of Instruction: Q Method of Delivery: F Credits: 3 30 Char: Digital Design I Effective: Summer 2025
Addition +Distance	ART 3283	**Approved**	**ART 3283 Street Photography** (Prerequisites: ART 2103 or consent of the instructor) 6 hours studio. This class will explore Street Photography from a fine arts perspective. Students will photographically explore issues and events that are significant to our present culture and society. Images created will follow a documentary approach. Method of Instruction: Q Method of Delivery: F & O Campus: 1 & 5 CIP: 500605 30 Char: Street Photography Effective: Fall 2025
Modification	ART 3313	**Approved**	**FROM: ART 3313 Graphic Art Design I** (Prerequisites: ART 2803, ART2813).Six hours studio. Introduction to the art and process of design in printed communication. Students develop graphic skills with an emphasis placed upon conceptual development, research, production and both visual and verbal presentation skills. **TO: ART 3313 Graphic Design I** (Prerequisites: ART 2803 and ART 2813 or consent of instructor). Six hours studio. Introduction to the art and process of design in printed communication. Students develop graphic skills with an emphasis placed upon conceptual development, research, production and both visual and verbal presentation skills. Method of Instruction: Q Method of Delivery: F 30 Char: Graphic Design I Effective: Summer 2025
Modification	ART 3323	**Approved**	**FROM: ART 3323 Graphic Art Design II** (Prerequisite: ART3313). Six hours studio. The execution of a series of design projects promoting an awareness of different forms of printed visual communication. **TO: ART 3323 Graphic Design II** (Prerequisite: ART 3313 or consent of instructor). Six hours studio. The execution of a series of design projects promoting an awareness of different forms of printed visual communication. Method of Instruction: Q Method of Delivery: F

		30 Char: Graphic Design II Effective: Summer 2025
Technical Change ART 4103/6103	**Approved**	**FROM: ART 4103/6103 The Art of Typography and Layout I** **TO: ART 4103/6103 Typography I** Method of Instruction: Q Method of Delivery: F 30 Char: Typography I Effective: Fall 2025
Technical Change ART 4113/6113	**Approved**	**FROM: ART 4113/6113 The Art of Typography and Layout II** (Prerequisite: ART4103/6103). Six hours studio. Advanced problems in presenting written communication in graphic form. Advanced problems as well as additional projects will be required for graduate credit. **TO: ART 4113/6113 Typography II** (Prerequisite: ART 4103 or consent of instructor). Six hours studio. Advanced problems in presenting written communication in graphic form. Method of Instruction: Q Method of Delivery: F 30 Char: Typography II Effective: Fall 2025
Addition ART 4183	**Approved**	**ART 4183 Interactive Design I** (Prerequisite: ART 2813 or consent of instructor). Six hours studio. The design of UI/UX with an emphasis on graphic and interactive media to build user interface prototypes from websites to apps. Method of Instruction: Q Method of Delivery: F Campus: 1 CIP: 500706 30 Char: Interactive Design I Effective: Fall 2025
Addition ART 4913	**Approved**	**ART 4913 Graphic Design Capstone** (Prerequisite: ART 4403 or and consent of instructor). Six hours studio. This course develops advanced studio skills and professional practice. Method of Instruction: Q Method of Delivery: F Campus: 1 CIP: 30 Char: Graphic Design Capstone Effective: Summer 2025
Addition BCS 3143	**Approved**	**BCS 3143 Construction Statics** (Prerequisite: MA-1613 with a C or higher) Three hours lecture. The evaluation of structures, the properties of materials and the structural behavior of load-resisting members as it relates to buildings. Method of Instruction: C Method of Delivery: F

		Campus: 1 CIP: 522001 30 Char: Construction Statics Effective: Fall 2025

ARTS AND SCIENCES

Technical Change BIO 2313	**Approved**	**BIO 2313 Ecosystems of Mississippi** Campus: 1, 2, & 5 Effective: Summer 2025
Addition +Distance GR 3123	**Approved**	**GR 3123 Introduction to Meteorological Data Analysis & Visualization** Three hours lecture. An introduction to meteorological data analysis and visualization using Python. No previous coding experience is necessary. Designed for Geoscience majors. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 303801 30 Char: Met Data Analysis & Viz Effective: Fall 2025
Technical Change MA 1213	**Approved**	**MA 1213 Math in Your World** Campus: 1, 2, & 8 Effective: Fall 2025

BUSINESS

Technical Change ENTR 3323	**Approved**	**FROM: MGT 3323 Entrepreneurship** **TO: ENTR 3323 Entrepreneurship** Effective: Fall 2025

EDUCATION

Addition +Meridian +Distance EDE 4513	**Approved**	**EDE 4513 Literacy and Social Studies Pedagogy in Early Childhood** (Prerequisites: RDG 3113, RDG 3123, RDG 3223). Three hours lecture. Foundational knowledge and practical strategies for integrating literacy and social studies instruction in early childhood classrooms (PreK-3). Emphasis will be placed on developing culturally responsive teaching practices, fostering critical thinking, and promoting active engagement. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 131202 30 Char: Literacy & Social Studies EC Effective: Fall 2025
Modification EDX 3213	**Approved**	**FROM: EDX 3213 Individualizing Instruction for Exceptional Children** Three hours lecture.

		Introduction to differentiating and individualizing instruction for students with mild/moderate disabilities. **TO: EDX 3213 Foundations of Special Education** Three hours lecture. Introduction to differentiating and individualizing instruction for students with mild/moderate disabilities in a general education setting. Method of Instruction: C Method of Delivery: F & O CIP: 131099 30 Char: Foundations of EDX Effective: Fall 2025

ENGINEERING

Modification ECE 4744/6744	**Approved**	**FROM: ECE 4743/6743 Digital System Design** (Prerequisites: Grade of C or better in ECE 3724. Credit or registration in ECE 3424 or ECE 3244). Two hours lecture. Three hours laboratory. Hierarchical digital design using available design software. Computer aided design workstations will be used to give students access to state-of-the-art design techniques. **TO: ECE 4744/6744 Digital System Design** (Prerequisites: Grade of C or better in ECE 3724. Credit or registration in ECE 3424 or ECE 3244). Three hours lecture. Three hours laboratory. Using hierarchical digital design to implement high-level state machines with pipelining, designing digital logic for memory-mapped peripherals in microcontrollers, and creating high-performance, low-latency systems. Credits: 0,4 Method of Delivery: F & O Effective: Spring 2025

PROFESSIONAL AND CONTINUING STUDIES

Addition PCS 2213 +Distance	**Approved**	**PCS 2213 Survey of Multinational and Cross-Cultural Operations** Three hours lecture. This course introduces students to multinational and cross-cultural workplaces to provide learners with the context needed to excel in multinational, cross-cultural industry settings. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 520213 30 Char: Survey of Mult CC Opert Effective: Fall 2025
Addition PCS 3123 +Distance	**Approved**	**PCS 3123 Issues in Organizational Leadership** Three hours lecture. This course provides an overview of key issues in organizational leadership, beginning with a brief historical perspective and evolving to address

		contemporary challenges faced by leaders across various industries. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 520213 30 Char: Issues Org Lead Effective: Fall 2025
Addition +Distance PCS 3213	**Approved**	**PCS 3213 Multinational and Cross-Cultural Project Collaboration** (PCS 2213 or equivalent) Three hours lecture. Students gain skills to collaborate in cross-cultural, multinational teams to execute successful projects. With an understanding of project leadership and foundational cultural knowledge, students will have the tools they need to be effective members of multinational projects. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 520213 30 Char: Multi & CC Project Collab Effective: Fall 2025
Addition +Distance PCS 4213	**Approved**	**PCS 4213 Project Leadership in Multinational and Cross-Cultural Teams** (PCS 3213 or equivalent) Three hours lecture. This advanced course develops leadership competencies for managing multinational teams and partnerships. Through case studies and applied exercises, students master strategies for building cross-cultural relationships, leading diverse teams, and executing successful global projects. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 520213 30 Char: Project Lead in Teams Effective: Fall 2025
Addition +Distance PCS 4223	**Approved**	**PCS 4223 Virtual Collaboration and Leadership in Multinational Teams** (PCS 3213 or equivalent) Three hours lecture. This course explores the challenges and opportunities of managing and collaborating with cross-cultural and multinational teams in a fully virtual environment. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 520213 30 Char: Virtual Collab Lead Teams Effective: Fall 2025
Modification PCS 4343/6343	**Approved**	**FROM: PCS 6343 Foundations of Organizational Leadership**

			TO: PCS 4343/6343 Foundations of Organizational Leadership Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2025
Addition +Distance	PCS 4413	**Approved**	**PCS 4413 Ethical and Legal Issues in Leadership** Three hours lecture. This course examines the complex ethical and legal issues that leaders face in organizational settings. Students will explore foundational ethical theories and their application to leadership, focusing on how leaders can navigate ethical dilemmas and make responsible decisions. Method of Instruction: C Method of Deliver: F & O Campus: 1 & 5 CIP: 520213 30 Char: Ethical & Legal Issues Lead Effective: Fall 2025

HEALTH PROFESSIONS

Modification +Distance	HCA 4443	**Approved**	**FROM: HCA 4443 Healthcare Internship** (Prerequisite:HCA 3313 and HCA3813). Internship. A supervised work experience with health care provider. Student will provide a written report to the assigned faculty member at completion of internship. **TO: HCA 4443 Healthcare Internship** (Prerequisite: HCA 3313) Internship. A supervised work experience with an approved health care provider. Student will provide a report of internship activity to course instructor. Split Level: No Method of Delivery: F, O, & X Campus: 2 & 5 Effective: Summer 2025
Modification +Starkville +Distance	HCA 4803	**Approved**	**FROM: HCA 4803 Healthcare Policy** (Prerequisite:for both HCA 4803 and6803:HCA 3813 or Consent of Instructor).Three hours lecture. A detailed study of the health care industry using an analysis of the internal resources and external environmental policies utilized by health care providers. (Meridian Campus). **TO: HCA 4803 Health Care Policy** Three hours lecture. A study of public and private health sector policy in the United States. Governmental and corporate management of issues associated with access, cost and quality, healthcare and business ethics. Emphasis is placed on policy formulation, implementation, assessment, and modification. Method of Delivery: F & O Campus: 1, 2, & 5 Effective: Summer 2025

2. **Program Proposals by college/school:**

AGRICULTURE AND LIFE SCIENCES

Modification	**Degree:** MAG **Major:** Agriculture **Concentration:** Agricultural and Extension Education	**Approved**	New Concentration Effective Fall 2025

ARCHITECTURE ART AND DESIGN

Modification	**Degree:** BFA **Major:** Art	**Approved**	See proposal for changes Effective Fall 2025
Addition	**Degree:** MS **Major:** Construction Management	**Approved**	New Degree Program Effective Fall 2025
Addition	**Degree:** Minor **Major:** Graphic Design	**Approved**	New Undergraduate Minor Effective Fall 2025
Addition	**Degree:** Minor **Major:** Photography	**Approved**	New Undergraduate Minor Effective Fall 2025

ARTS AND SCIENCES

Modification	**Degree:** Minor **Major:** English	**Approved**	See proposal for changes Effective Fall 2025
Modification	**Degree:** Minor **Major:** Environmental Justice	**Approved**	See proposal for changes Effective Fall 2025
Modification	**Degree:** PhD **Major:** Sociology	**Approved**	See proposal for changes Effective Fall 2025
Addition +Distance	**Degree:** BAS **Major:** Weather and Environmental Science	**Approved**	New Degree Program Effective Fall 2025

BUSINESS

Modification	**Degree:** Minor **Major:** Business Analytics	**Approved**	See proposal for changes Effective Fall 2025
Addition	**Degree:** BBA **Major:** Entrepreneurship	**Approved**	New Degree Program Effective Fall 2025

EDUCATION

Addition	**Degree:** Minor **Major:** Audio Production	**Approved**	New Undergraduate Minor Effective Fall 2025
Modification	**Degree:** BS **Major:** Learning and	**Approved**	Degree renamed and other changes. See proposal for details

	User Experience Design		Effective Fall 2025

ENGINEERING

Modification	**Degree:** Minor **Major:** Electrical Engineering	**Approved**	See proposal for changes Effective Fall 2025

PROFESSIONAL AND CONTINUING STUDIES

Addition +Distance	**Degree:** BAS **Major:** Organizational Leadership	**Approved**	New Degree Program Effective Fall 2025

VETERINARY MEDICINE

Addition	**Degree:** Graduate Certificate **Major:** Rural Veterinary Practice	**Approved**	New Certificate Program Effective Fall 2025

All of the proposals were approved with the exception of the following:

Proposals**

_____

_____

_____

Peter Liam Ryan

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

March 26th, 2025
Date

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 CALS **Department:** School of Human Sciences

Contact Person: Dr. Kirk Swortzel **Mail Stop:** 9745 **E-mail:** kirk.swortzel@msstate.edu

Nature of Change: Modification **Date Initiated:** 10/6/23

Current Degree Program Name: Master of Agriculture

Current Major: Agriculture

Current Concentration(s):

Current Campus(es): Distance

New Degree Program Name: **Effective Date:**

Semester	Year
Fall	2025

Proposed Major:

Proposed Concentration(s): Agricultural and Extension Education

Proposed Campus(es): Distance

Summary of Proposed Changes:

Add the Agricultural and Extension Education concentration to the current Master of Agricult

Approved:	Date:
Sheri Worthy Department Head	12/05/2024
Dana Pamplin Jr. Director of Academic Quality	12/10/24
Kristina Chair, College or School Curriculum Committee	12/18/2024
for Scott W. Woods Dean of College or School	12/20/24
Digitally signed by Andy D. Perkins Date: 2025.03.13 14:27:59 -05'00' Chair, University Committee on Courses and Curricula	
Russell Carr Digitally signed by Russell Carr Date: 2025.04.10 18:46:35 -05'00' Chair, Graduate Council (if applicable)	
Peter Liam Ryan Chair, Deans Council	March 26th, 2025

GRADUATE DEGREE MODIFICATION OUTLINE FORM

Use the chart below to make modifications to an existing Graduate Degree. All deleted courses and information should be shown in *italics* and all new courses and information in **bold**. Please include the course prefix, number, and title in both columns. Expand rows as needed.

CURRENT Degree Description	PROPOSED Degree Description
Degree: Major: Concentrations:	Degree: Master of Agriculture Major: Agriculture Concentrations: Agricultural & Extension Education
"[Click here and type old degree description]"	**The Master of Agriculture degree is a non-thesis advanced degree designed to prepare graduates for careers or professional schools. Students develop a program of study with approval of the student's graduate committee in accordance with Graduate School policy and course requirements for the concentration.**
"[Click here and type old concentration description]"	**Students are required to complete 30 hours of coursework as approved by the student's graduate committee. Some Directed Individual Study courses, numbered at the 7000-level, may be approved to meet 8000-level course requirements. Not more than 6 hours of graduate credit may be earned in Directed Individual Study courses. Students will also complete a scholarly project focused on their career goals and subject area. The student must pass the final defense of a scholarly project and complete an oral comprehensive examination over all course work completed. This program is offered through MS State Online.** **Students in the Agricultural and Extension Education Concentration will complete the following courses: AELC 8203, AELC 8243 or AELC 8413, AELC 8503 or AELC 8153, AELC 8593, AELC 8703, and AELC 7000 (3 hours). The remaining 12 hours will be advisor approved electives.**

CURRENT CURRICULUM OUTLINE	Required Hours	**PROPOSED CURRICULUM OUTLINE**	Required Hours
College Required Courses		College Required Courses No college required courses.	
Major Required Courses		Major Required Courses No major required courses	
Concentration 1. Courses		**Agricultural and Extension Education Concentration Courses** **AELC 7000 – Directed Individual Study**	**3**

		AELC 8203 – Advanced Communications in AEE	**3**
		AELC 8243 – Administration and Supervision OR AELC 8413 – Methods of Planned Change	**3**
		AELC 8503 – Program Planning and Development in AEE OR AELC 8153 – Curriculum Development in Agricultural Education	**3**
		AELC 8593 – Historical Foundations of AEE	**3**
		AELC 8703 – Evaluation of Ag and Extension Education	**3**
		Graduate level coursework	**12**
Concentration 2. Courses			
Total Hours		**Total Hours**	**30**

3. JUSTIFICATION FOR DISTANCE LEARNING OFFERING

Agricultural and Extension Education Concentration: For many years, the Agricultural and Extension Education graduate program has offered graduate courses at a distance, first starting with compressed video in the 1990's and later moving to interactive video in the early 2000's. Today, we offer our graduate courses via interactive video, asynchronous delivery, and synchronous delivery. However, with the nature of the current work environments of our potential and current students, it is becoming increasingly difficult to complete required courses during normal working hours and even after hours with commitments to programs of students advise and family responsibilities. Offering an online graduate program, like the Master of Agriculture with a concentration in Agricultural and Extension Education, will provide flexibility for students to earn an advanced degree while fulfilling their work and family obligations.

Another reason for offering this concentration at a distance as an asynchronous program is to reach potential students from surrounding states. For many years, the AEE graduate program was on the Academic Common Market with surrounding states. In recent years, those states have removed our program from the Academic Common Market to keep students with their respective states to complete graduate degree programs. We still receive several inquiries from former graduates who wish to pursue a graduate degree with us. Providing this concentration through distance education as an asynchronous program as part of the MAG program will allow us to reach a greater pool of students from not only in the southern region, but across the nation hopefully.

1. Will this program change meet local, state, regional, and national educational and cultural needs? The addition of this concentration to the MAG program at Mississippi State University provides an additional opportunity for those employed in professional agriculture careers to advance their knowledge and skills working on the human side of agriculture. Courses that students complete as part of the AEE concentration will help those in agricultural careers more effectively plan, deliver, and evaluate training and development programs in agriculture while expanding their knowledge in agricultural subjects. Furthermore, with this concentration being delivered asynchronously as part of the MAG program will allow potential students to complete a program that is flexible around their work and life schedules.

2. Will this program change result in duplication in the System? No

3. Will this program change/advance student diversity within the discipline? Yes, with this concentration being offered through MS State Online, this will advance student diversity within Agricultural and Extension Education and will provide a more flexible, inclusive, and accessible program for students to complete.

4. Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? Yes - This concentration should result in more Extension and training & development professionals in agricultural careers advance in their occupations and become more effective in doing their jobs.

5. Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? Yes - Graduates from this concentration in the MAG will be more qualified and skilled for their respective agricultural careers. Specifically, graduates from this concentration will be more qualified to advance to more skilled positions within their respective organizations, which typically provides for an increase in salary.

4. TARGET AUDIENCE

The intended target audience for the MAG (concentration in Agricultural and Extension Education) are professionals like extension agents, secondary agricultural education teachers, or others who work companies in training and development positions who are unable to take time during the normal business day to complete classes.

5. LEARNING OUTCOMES

The learning outcomes for the MAG (concentration in Agricultural and Extension Education) are:

- Plan formal and non-formal educational programs based on community and stakeholder needs.
- Apply evaluation methodologies to improve formal and non-formal educational programs.
- Communicate agricultural information in an effective manner to clientele.

6. EFFECTIVE DATE

Fall 2025

7. CONTACT PERSON

Dr. Kirk Swortzel, Graduate Coordinator
662-325-7837
kirk.swortzel@msstate.edu

8. SUPPORT

A letter of support is included from the School of Human Sciences Curriculum Committee

9. PROPOSED ABBREVIATIONS

MAG-AEE

MISSISSIPPI STATE UNIVERSITY.

SCHOOL OF HUMAN SCIENCES
P. O. Box 9745
Mississippi State, MS 39762
P. 662.325.2950
humansci.msstate.edu

December 2, 2024

Dr. N. Krishnan
Chair, CALS Curriculum Committee
MS State, MS 39762

Dear Dr. Krishnan,

The School of Human Sciences Curriculum Committee affirms support for the Master of Agriculture – Agricultural and Extension Education degree proposal and the following course modifications/proposals: AELC 8100, AELC 8203, AELC 8503, AELC 8153.

Sincerely,

Carley Morrison (Dec 3, 2024 17:00 CST)
Carley Calico Morrison, Chair

Jessica Benson (Dec 4, 2024 14:17 CST)
Jessica Benson

Justin Hall (Dec 4, 2024 15:07 CST)
Justin Hall

Cappe Hallberg
Cappe Hallberg (Dec 4, 2024 15:02 CST)
Cappe Hallberg

Farhana Momotaz
Farhana Momotaz (Dec 4, 2024 16:22 CST)
Farhana Momotaz

Chelsea Panse-Barone (Dec 4, 2024 18:27 EST)
Chelsea Pansé-Barone

MAgDegreeAELCCourseMod_LOS_SHS

Final Audit Report 2024-12-04

Created:	2024-12-03
By:	Carley Morrison (cpc215@msstate.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAxWkuBsu-4x-a3xC4fEqY-TG3YPHFlHXa

"MAgDegreeAELCCourseMod_LOS_SHS" History

Document created by Carley Morrison (cpc215@msstate.edu)
2024-12-03 - 10:59:45 PM GMT

Document e-signed by Carley Morrison (cpc215@msstate.edu)
Signature Date: 2024-12-03 - 11:00:22 PM GMT - Time Source: server

Document emailed to Jessica Benson (jcb1356@msstate.edu) for signature
2024-12-03 - 11:00:23 PM GMT

Email viewed by Jessica Benson (jcb1356@msstate.edu)
2024-12-04 - 8:16:48 PM GMT

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Signature Date: 2024-12-04 - 8:17:08 PM GMT - Time Source: server

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2024-12-04 - 8:17:10 PM GMT

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Email viewed by Justin Hall (jrh771@msstate.edu)
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Document emailed to Farhana Momotaz (fm524@msstate.edu) for signature
2024-12-04 - 9:07:18 PM GMT

Email viewed by Farhana Momotaz (fm524@msstate.edu)
2024-12-04 - 10:21:57 PM GMT

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Signature Date: 2024-12-04 - 10:22:22 PM GMT - Time Source: server

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2024-12-04 - 10:22:24 PM GMT

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2024-12-04 - 11:26:10 PM GMT

Signer Chelsea Panse (cp1992@msstate.edu) entered name at signing as Chelsea Panse-Barone
2024-12-04 - 11:27:16 PM GMT

Document e-signed by Chelsea Panse-Barone (cp1992@msstate.edu)
Signature Date: 2024-12-04 - 11:27:18 PM GMT - Time Source: server

Agreement completed.
2024-12-04 - 11:27:18 PM GMT

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 Architecture, Art & Design **Department:** ART

Contact Person: Suzanne Powney **Mail Stop:** 9638 **E-mail:** spowney@caad.mssta

Nature of Change: Modification **Date Initiated:** 1.21.24

Current Degree (BS, MS, etc.): BFA

Current Major: ART

Current Concentration(s): Fine Art, Photography, Graphic

Current Campus(es): ☑ **Starkville** ☐ **Meridian** ☐ **Distance** ☐ **Gulf Coast***

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.): _____

Effective Date:

Semester	**Year**
Fall	2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major: _____

Proposed Concentration(s): _____

Proposed Campus(es)

☑ Starkville
☐ Meridian
☐ Distance
☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering only

Summary of Proposed Changes:

- Admission threshold of 2.0 for students wishing to change majors to Art.
- Updated Art History requirements.
- Updated major core requirements.
- Name changes for Graphic Design and Art History courses.
- Graphic Design change in listed electives to "Select from approved electives list."
- Photography change from listed electives to "Select from approved electives list."
- Photography change in required images for the portfolio review.
- Photography expansion of equipment requirements to include mirrorless camera.
- Fine Art change in listed electives to "Select from approved electives list."
- Fine Art replacing 6 hours requirement of ART 4620 Advanced Studio Fine Art with 6 hours of Advanced emphasis electives.
- Art History Minor change in listed electives to "Choose four approved, upper-level Art History courses."

Approved:	Date:
Department Head	1/15/25
Director of Academic Quality	1/27/25
Alexis Gregory Digitally signed by Alexis Gregory Date: 2025.01.30 11:35:13 -06'00' Chair, College or School Curriculum Committee	
Dominic Lippillo Digitally signed by Dominic Lippillo Date: 2025.02.03 08:42:59 -06'00' Dean of College or School	
Digitally signed by Andy D. Perkins Date: 2025.03.13 14:28:26 -05'00' Chair, University Committee on Courses and Curricula	
Chair, Graduate Council (if applicable)	
Chair, Deans Council	March 26th, 2025

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☐ Notification to SACSCOC
- ☐ No significant departure

OIRE Representative Initials _____

Department of Art Degree Modification

JUSTIFICATION

- Admission threshold of 2.0 for students wishing to change majors to Art.
    - The Department of Art wishes to implement a 2.0 GPA requirement to ensure that students who want to transfer into our program from another on campus are prepared to pursue a BFA successfully.
- Updated Art History requirements.
    - The Department of Art is adding ART 2063 *Global Contemporary Art* to our core requirements. This change aligns our offerings with MSU's mission and our accrediting body's recommendation to provide our students with exposure to global contemporary art.
- Updated major core requirements.
    - The Department of Art's three concentrations, Photography, Graphic Design, and Fine Art, have historically shared the same core requirements except for one course. Photography has agreed to take on the same core requirements as Graphic Design and Fine Art by replacing Photo Survey with Digital Design I. This change creates a common foundation for all BFA students and allows students interested in Photography to pursue the emphasis earlier.
- Name changes for Graphic Design and Art History courses.
    - The Department of Art is changing the names of graphic design courses to modernize naming conventions with industry expectations in the field.
- Graphic Design change in listed electives to "Select from approved electives list."
    - The Department of Art is removing the outdated list of graphic design electives from the course catalog and changing the guideline to "Select from approved electives list." This change will allow us to keep a current list of approved electives in Degree Works.
- Photography change from listed electives to "Select from approved electives list."
    - The Department of Art is removing the outdated list of photography electives from the course catalog and changing the guideline to "Select from approved electives list." This change will allow us to keep a current list of approved electives in Degree Works.
- Photography change in required images for the portfolio review.
    - Photography is updating its image requirements for portfolio review to reflect the change to include Digital Design I as a core requirement. (see above)
- Photography expansion of equipment requirements to include mirrorless camera.
    - Photography is expanding its required camera options to include mirrorless cameras. This reflects the increased capabilities of digital cameras and a desire to provide a less expensive alternative to the expensive DSLR camera now required.
- Fine Art change in listed electives to "Select from approved electives list."
    - The Department of Art is removing the outdated list of fine art electives from the course catalog and changing the guideline to "Select from approved electives list." This change will allow us to keep a current list of approved electives in Degree Works.
- Fine Art replacing 6 hours required of ART 4620 Advanced Studio Fine Art with 6 hours of Advanced emphasis electives.
    - The Department of Art Fine Art Coordinators voted to return to a previous model of advanced elective requirements. We have determined that replacing two emphasis electives with a common studio course during senior capstone semesters negatively impacts enrollment numbers and the quality of expected outcomes in each of the Fine Art emphasis areas.
- Art History Minor change in listed electives to "Choose four approved, upper-level Art History courses."
    - The Department of Art is removing the outdated list of Art History electives from the course catalog and changing the guideline to "Select from approved electives list." This change will allow us to keep a current list of approved electives in Degree Works.

Learning Outcomes

The Department of Art feels these changes to streamline and update our curriculum will enhance our ability to deliver the global outcomes established for each student graduating with a BFA from MSU:

1. Students will communicate their work on a professional level (ex. employment and public-facing projects).
2. Students will understand the relationship between visual Art and Art History.
3. Students will demonstrate proficiency in research methods for the artist in contemporary practice.

MISSISSIPPI STATE UNIVERSITY

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Department of Art

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University Curriculum Committee
279 Garner Hall
Mississippi State, MS 39762

January 6, 2025

RE: Department of Art Degree Modifications

Dear UCC,

On 1.26.2024, and in subsequent meetings among appropriate committees, the Department of Art reviewed and discussed recommendations for degree modifications made by the department curriculum committee and department area coordinators. The faculty passed motions approving overall degree modifications in the following areas:

- Admission threshold of 2.0 for students wishing to change majors to Art.
- Updated Art History requirements.
- Updated major core requirements.
- Name changes for Graphic Design and Art History courses.
- Graphic Design change in listed electives to “Select from approved electives list.”
- Photography change from listed electives to “Select from approved electives list.”
- Photography change in required images for the portfolio review.
- Photography expansion of equipment requirements to include mirrorless camera.
- Fine Art change in listed electives to “Select from approved electives list.”
- Fine Art replacing 6 hours required of ART 4620 Advanced Studio Fine Art with 6 hours of Advanced emphasis electives.
- Art History Minor change in listed electives to “Choose four approved, upper-level Art History courses.”

Art faculty support these changes and the changes to concentration areas found in this degree modification as recommended by the respective concentration faculty.

Sincerely,

Critz Campbell Digitally signed by Critz Campbell
Date: 2025.01.06 09:40:34 -06'00'

Critz Campbell
Professor & Head
Department of Art

Supporting quorum of faculty:

Dominic Lippillo	Keum Taek Jung
Suzanne Powney	Jacob Crook
Caroline Hatfield	Aubrey Pohl
Rowan Haug	Jenna Altomonte

Signature: Dominic Lippillo (Jan 6, 2025 09:49 CST)

Email: dlippillo@caad.msstate.edu

Signature: Suzanne Powney (Jan 6, 2025 10:17 CST)

Email: spowney@caad.msstate.edu

Signature: Caroline Hatfield (Jan 6, 2025 10:27 CST)

Email: chatfield@caad.msstate.edu

Signature: Rowan Haug (Jan 6, 2025 13:24 CST)

Email: rhaug@caad.msstate.edu

Signature: Keum Taek Jung (Jan 6, 2025 17:35 CST)

Email: kjung@caad.msstate.edu

Signature: Jacob Crook (Jan 6, 2025 18:19 CST)

Email: jc4493@msstate.edu

Signature: Aubrey Pohl (Jan 6, 2025 18:22 CST)

Email: apohl@caad.msstate.edu

Signature: Jenna Altomonte (Jan 6, 2025 19:28 EST)

Email: jaa524@msstate.edu

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COLLEGE OF ARCHITECTURE ART + DESIGN
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DEPARTMENT OF ART

September 6, 2024

RE: Electives list

Dear UCC Committee,

The Department of Art supports the attached electives list for each emphasis area with the concentrations of Fine Art, Graphic Design, and Photography.

Committee Members	Signatures	Vote
Critz Campbell Professor, Drawing		Yes
Jacob Crook Assistant Professor, Printmaking		Yes
Marita Gootee Professor, Photography		Yes
Benjamin Harvey Associate Professor, Art History		YES
Caroline Hatfield Assistant Professor, Sculpture		Yes
Cassie Hester Associate Professor, Graphic Design		Yes
Robert Long Professor, Ceramics		Yes
Joseph Morzuch Associate Professor, Painting		YES

Sincerely

Suzanne Powney – Associate Professor
Curriculum Committee Chair
Department of Art

Art History Electives	Graphic Design	Photography
Current Course Catalog Electives	**Current Course Catalog Electives**	**Current Course Catalog Electives**
ART 3143 Ital Ren Art Hist	ART 4523 Graphic Design Internship	ART 4683 Internship Photography
ART 3163 History of Graphic Design (GD Required)	ART 4113 Typography II	ART 3263 Scanography
ART 3603 Modern Art Writing	ART 4883 Web Design I	ART 4443 Alternative Color Process
ART 3613 Art and Film	ART 3913 Introduction to Print Production	ART 3303 Printmaking II
ART 3623 Art in France 1850-1900	ART 4713 Advanced Print Production	ART 4223 Alternative Processes
ART 3633 History of Photography (Photo Required)	ART 4723 Advanced Concept Development	ART 4460 Advanced Photography [can be repeated
ART 3653 Roman Baroque Art	ART 4813 Interactive Design II	ART 4873 Digital Imaging I
ART 3663 Medieval Stained Glass	ART 3873 Digital Photography	ART 4990 Special Topics [offered in the Photography Concentration]
ART 3673 The Gothic Cathedral	ART 4143 Letterpress for Design	CO 3713 Digital Communication
ART 3683 Art and Religion	ART 4163 Visual Storytelling	CO 4423 Advanced Photographic Communication
ART 2063 Global Contemporary Art	ART 4353 Illustration for Design	ART 4893 Video Art
ART 2904 Introduction to Film	ART 4373 Motion Graphics	ART 3253 Photogram
ART 4023/6023 Performance Art and Critcism	ART 4423 Presentation Skills for Designers	ART 4163 Visual Storytelling
ART 4043 History of Digital Art	ART 4990 Special Topics [offered in the graphic design Concentration]	
ART 4073 Visualizing Resistance in the Global South	ART 3233 Studio Lighting	
ART 4124/6124 Topics in Film	ART 4000 Directed Individual Study [offered by graphic design faculty]	
ART 4153 Art in the City	ART 4123 Screenprinting for Design	
ART 4924 Film Theory		

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September 20, 2024

RE: Degree Modification

Dear UCC Committee,

The Department of Art curriculum committee supports the degree modification, including changing the names of art history to reduce an assumption that the courses are sequential. The department is changing the names of graphic design courses to modernize naming conventions with industry expectations in the field. The math requirements have been updated to university standards as quantitative reasoning. To meet curriculum guidelines, we support the creation of two new courses for graphic design concentration, ART 4183 Interactive Design I and 4913 Graphic Design Capstone. The full list of course name changes is below.

ART 1013 Art History I	**ART 1013 Art History Pre-1300's**
ART 1023 Art History II	**ART 1023 Art History Post-1300's**
ART 2413 Hi & Appr Artcrafts	**ART 2413 Appreciation of Art & Crafts Movement**
ART 2803 Intro to Comp Art	**ART 2803 Digital Design I**
ART 2813 Intermediate Comp	**ART 2813 Digital Design II**
ART 3313 Graphic Art Design I	**ART 3313 Graphic Design I**
ART 3323 Graphic Art Design II	**ART 3323 Graphic Design II**
ART 4103 The Art of Typography and Layout I	**ART 4103 Typography I**
ART 4113 The Art of Typography and Layout II	**ART 4113 Typography II**
	ART 4183 Interactive Design I
ART 4523 Internship in Graphic Art Design	**ART 4523 Graphic Design Internship**
ART 4813 Introduction to Multimedia Design and Authoring	**ART 4813 Interactive Design II**
ART 4883 Graphic Design for the Internet	**ART 4883 Web Design I**
ART 4640 Advanced Studio-Graphic design	**ART 4913 Graphic Design Capstone**

Committee Members	Signatures	Vote
Taek Jung Assistant Professor		Yes
Aubrey Pohl Assistant Professor		YES
Aaron McElfish Instructor		Yes

Sincerely

Suzanne Powney – Associate Professor
Curriculum Committee Chair
Department of Art

DEGREE MODIFICATION OUTLINE FORM

Use the chart below to make modifications to an existing undergraduate 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 in both columns. Expand this table as needed.

CURRENT Degree Description	PROPOSED Degree Description
Degree: BFA Major: Art Concentration: Fine Art, Graphic Design, Photography	Degree: BFA Major: Art Concentration: Fine Art, Graphic Design, Photography
Mission The Department of Art's primary undergraduate responsibilities include educating professional artists with concentrations in Fine Arts, Graphic Design, and Photography; preparing students for a career or advanced study; offering courses that fulfill University requirements; and providing an active art gallery to serve the University, the community, and region. **Bachelor of Fine Arts** The Bachelor of Fine Arts (B.F.A.) degree is a professional studio degree. The B.F.A. degree is earned after successful completion of an intensive, 4-year program that provides the student with a series of in-depth studio experiences leading to thesis/senior presentation balanced by studies in humanities, communication, mathematics, and sciences. The B.F.A. degree may also serve as a preparation for graduate studies-usually the Master of Fine Arts degree in studio art or design. **Admission** Art-Undeclared (UART) - All students desiring to major in art will be admitted into Art-Undeclared in the Department of Art at Mississippi State University. Students will declare their concentration following successful passage of the Foundation Portfolio Review in that concentration.	**Mission** The Department of Art's primary undergraduate responsibilities include educating professional artists with concentrations in Fine Arts, Graphic Design, and Photography; preparing students for a career or advanced study; offering courses that fulfill University requirements; and providing an active art gallery to serve the University, the community, and region. **Bachelor of Fine Arts** The Bachelor of Fine Arts (B.F.A.) degree is a professional studio degree. The B.F.A. degree is earned after successful completion of an intensive, 4-year program that provides the student with a series of in-depth studio experiences leading to thesis/senior presentation balanced by studies in humanities, communication, mathematics, and sciences. The B.F.A. degree may also serve as a preparation for graduate studies-usually the Master of Fine Arts degree in studio art or design. **Admission** Art-Undeclared (UART) - All students desiring to major in art will be admitted into Art-Undeclared in the Department of Art at Mississippi State University. Students will declare their concentration following successful passage of the Foundation Portfolio Review in that concentration. **Current MSU students wishing to change majors to Art must meet a minimum grade point average of 2.0 on courses taken at MSU.**
Concentrations In the Bachelor of Fine Arts degree, a student may choose a concentration from the following: Fine Arts, Graphic Design, and Photography. **Transfer Requirements** As part of the Articulation Agreement between Mississippi Junior and Community Colleges and the state's four-year universities, the following courses will automatically transfer to MSU. A grade of "C" or better is required in each class to be accepted by the Department of Art. • ART 1213 Drawing I • ART 1223 Drawing II • ART 1123 Design I (2-D) • ART 1133 Design II (Color) • *ART 1013 Art History I* • *ART 1023 Art History II* • ART 1153 3D Design.	**Concentrations** In the Bachelor of Fine Arts degree, a student may choose a concentration from the following: Fine Arts, Graphic Design, and Photography. **Transfer Requirements** As part of the Articulation Agreement between Mississippi Junior and Community Colleges and the state's four-year universities, the following courses will automatically transfer to MSU. A grade of "C" or better is required in each class to be accepted by the Department of Art. • ART 1213 Drawing I • ART 1223 Drawing II • ART 1123 Design I (2-D) • ART 1133 Design II (Color) • **ART 1013 Art History pre-1300's *** • **ART 1023 Art History post 1300's** • ART 1153 3D Design.

Images of articulated studio coursework work should be submitted to https://msuart.submittable.com/submit for review by the Department of Art Faculty to ensure success in the department's Foundation Portfolio Review. The MSU Department of Art reserves the right to deny or accept transfer courses not covered by the Articulation Agreement as applicable to the B.F.A. degree based on portfolio evaluation. This review requires the submission of artwork completed in studio courses and course descriptions (and in some cases, syllabi) from classes completed for credit at other institutions. Artwork and course information must be uploaded at https://msuart.submittable.com/submit	Images of articulated studio coursework work should be submitted to https://msuart.submittable.com/submit for review by the Department of Art Faculty to ensure success in the department's Foundation Portfolio Review. The MSU Department of Art reserves the right to deny or accept transfer courses not covered by the Articulation Agreement as applicable to the B.F.A. degree based on portfolio evaluation. This review requires the submission of artwork completed in studio courses and course descriptions (and in some cases, syllabi) from classes completed for credit at other institutions. Artwork and course information must be uploaded at https://msuart.submittable.com/submit
Foundation Portfolio Review Requirements All Art majors are required to participate in the Foundation Portfolio Review.	**Foundation Portfolio Review Requirements** All Art majors are required to participate in the Foundation Portfolio Review.
For students interested in the Fine Arts concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture), the Foundation Portfolio Review will take place in the spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and *Introduction to Computing* for Art. The Foundation Portfolio Review will result in an "accept" or "deny" into the Fine Arts concentration.	For students interested in the Fine Arts concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture), the Foundation Portfolio Review will take place in the spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and **Digital Design I**. The Foundation Portfolio Review will result in an "accept" or "deny" into the Fine Arts concentration.
For students interested in the Photography concentration, the Foundation Portfolio Review will take place in the fall and spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and *Photography Survey*. The Foundation Portfolio Review will result in an "accept" or "deny" into the Photography concentration.	For students interested in the Photography concentration, the Foundation Portfolio Review will take place in the fall and spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and **Digital Design I**. The Foundation Portfolio Review will result in an "accept" or "deny" into the Photography concentration.
For students interested in Graphic Design, the Foundation Portfolio Review for entrance into that concentration will take place in the fall semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and *Introduction to Computing for Art*. The Foundation Portfolio Review will result in an "accept" or "deny" in the Graphic Design concentration.	For students interested in Graphic Design, the Foundation Portfolio Review for entrance into that concentration will take place in the fall semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and **Digital Design I**. The Foundation Portfolio Review will result in an "accept" or "deny" in the Graphic Design concentration.
Students accepted (by faculty evaluation) into the Fine Arts, Graphic Design, or Photography concentration may begin the concentration sequence of courses. Students denied may remain in the art program and resubmit a portfolio in the next Review. Students cannot pursue a concentration in which they have been denied twice. They will have to choose another concentration in order to pursue a B.F.A. in Art at Mississippi State.	Students accepted (by faculty evaluation) into the Fine Arts, Graphic Design, or Photography concentration may begin the concentration sequence of courses. Students denied may remain in the art program and resubmit a portfolio in the next Review. Students cannot pursue a concentration in which they have been denied twice. They will have to choose another concentration in order to pursue a B.F.A. in Art at Mississippi State.
Entry into Graphic Design is competitive. Contact the Advising Coordinator for more information.	Entry into Graphic Design is competitive. Contact the Advising Coordinator for more information.

Senior Presentation Requirements Senior Graphic Design students are required to present a portfolio and present an exhibition. Senior students in the other concentrations are required to present an exhibition as degree requirements. These final presentation requirements are fulfilled in capstone courses; ART 4640 *Advanced Studio - Graphic Design* for students in the Graphic Design concentration; ART 4083 Senior Research and ART 4093 Senior Thesis for students in the Fine Arts concentration area; and ART 4583 Photographic Portfolio I and ART 4593 Photographic Portfolio II for students in the Photography concentration. **Computer and Camera Requirements** The Department of Art requires all incoming Art majors to purchase certain technology and equipment necessary for the production and presentation of artwork within departmental courses. All incoming students are required to have a personal laptop computer and required software. The required computer and software must be selected from an approved departmental list of minimum hardware and software requirements available on the Department of Art website. https://www.caad.msstate.edu/current-students/art/materials-fees Financial aid that includes this requirement may be available by contacting the MSU Student Financial Aid and Scholarship office. Additionally, upon enrollment in ART 2103 Photography Survey, students will be required to purchase a digital single-lens reflex (DSLR) camera. The required camera must be selected from an approved departmental list of minimum specifications. The approved list is available on the Department of Art web site. https://www.caad.msstate.edu/current-students/art/materials-fees **Student Materials Fee** Additional fees associated with class materials, technology and laboratory materials are required of students and are automatically assessed to the students.	**Senior Presentation Requirements** Senior Graphic Design students are required to present a portfolio and present an exhibition. Senior students in the other concentrations are required to present an exhibition as degree requirements. These final presentation requirements are fulfilled in capstone courses; ART 4640 **Graphic Design Capstone** for students in the Graphic Design concentration; ART 4083 Senior Research and ART 4093 Senior Thesis for students in the Fine Arts concentration area; and ART 4583 Photographic Portfolio I and ART 4593 Photographic Portfolio II for students in the Photography concentration. **Computer and Camera Requirements** The Department of Art requires all incoming Art majors to purchase certain technology and equipment necessary for the production and presentation of artwork within departmental courses. All incoming students are required to have a personal laptop computer and required software. The required computer and software must be selected from an approved departmental list of minimum hardware and software requirements available on the Department of Art website. https://www.caad.msstate.edu/current-students/art/materials-fees Financial aid that includes this requirement may be available by contacting the MSU Student Financial Aid and Scholarship office. Additionally, upon enrollment in ART 2103 Photography Survey, students will be required to purchase a digital single-lens reflex (DSLR) camera **or mirrorless camera**. The required camera must be selected from an approved departmental list of minimum specifications. The approved list is available on the Department of Art web site. https://www.caad.msstate.edu/current-students/art/materials-fees **Student Materials Fee** Additional fees associated with class materials, technology and laboratory materials are required of students and are automatically assessed to the students.

CURRENT CURRICULUM OUTLINE	Required Hours	**PROPOSED CURRICULUM OUTLINE**	Required Hours
English (Ex: EN 1103 English Comp I): EN 1103 English Comp I or EN 1104 Expanded English Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6	English (Ex: EN 1103 English Comp I): EN 1103 English Comp I or EN 1104 Expanded English Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6
Fine Arts (General Education): See Art History and Theory Program	*3*	Fine Arts (General Education): **ART 1013 Art History pre-1300's**	3
Natural Sciences (2 labs required from Gen Ed): See General Education courses	6-8	Natural Sciences (2 labs required from Gen Ed): See General Education courses	6-8
Extra Science (if appropriate) *See General Science courses*		**Additional Math or Science**	**3**
Math (General Education): *MA 1313*	*6-9*	**Quantitative Reasoning (General Education):** **Select from general education list**	**3**

Additional Math Class higher than MA 1313 -- See General Education courses			
Humanities (General Education): See General Education courses	6	Humanities (General Education): See General Education courses	6
Social/Behavioral Sciences (Gen Ed): See General Education courses	6	Social/Behavioral Sciences (Gen Ed): See General Education courses	6
		Major Core Courses	
		ART 1123 Design I	**3**
		ART 1133 Design II	**3**
		ART 1153 Three-Dimensional Design	**3**
		ART 1213 Drawing I	**3**
		ART 1223 Drawing II	**3**
		ART 1023 Art History post 1300's	**3**
		ART 2063 Global Contemporary	**3**
		* *Fulfills Fine Arts General Education Requirement*	
		ART 2803 Digital Design I	**3**
Fine Arts Concentration		Fine Arts Concentration	
(Ceramics, Drawing, Painting, Printmaking, and Sculpture)		(Ceramics, Drawing, Painting, Printmaking, and Sculpture)	
Foundation Program			
ART 1123 Design I	3		
ART 1133 Design II	3		
ART 1153 Three-Dimensional Design	3		
ART 1213 Drawing I	3		
ART 1223 Drawing II	3		
*ART 2803 Introduction to Computing for ART**	3		
***Fulfills Computer Literacy Requirement*			
Survey Program			
ART 2503 Ceramic Art Survey	3	**Survey Requirements**	
ART 2013 Painting Survey	3	ART 2503 Ceramic Art Survey	3
ART 2213 Life Drawing I	3	ART 2013 Painting Survey	3
ART 2303 Printmaking Survey	3	ART 2213 Life Drawing I	3
ART 2403 Sculpture Survey	3	ART 2303 Printmaking Survey	3
ART 2103 Photography Survey	3	ART 2403 Sculpture Survey	3
		ART 2103 Photography Survey	3
Art History and Theory Program		**Art History and Theory Requirements**	
*ART 1013 Art History I**	*3*		
*ART 1023 Art History II**	*3*		
* *Fulfills Fine Arts General Education Requirement*			**6**
Art History Electives	*9*	**Art History Electives**	
		Select from the approved electives list.	
Fine Arts Concentration Program*		Fine Arts Concentration Program*	
*Upon successful completion of the Foundation Portfolio Review for the Fine Arts concentration, students proceed into the concentration sequence of courses.		*Upon successful completion of the Foundation Portfolio Review for the Fine Arts concentration, students proceed into the concentration sequence of courses.	
Intermediate Studio Requirement		Intermediate Studio Requirement	
3 hours chosen from the list below:	3	3 hours chosen from the list below:	3
ART 2233 Drawing III		ART 2233 Drawing III	
ART 3523 3D Seminar		ART 3523 3D Seminar	
Intermediate Studio Electives		Intermediate Studio Electives	
See advisor for list of approved electives	3	**Select from the approved electives list.**	3

Advance Studio Electives See advisor for list of approved electives	*12*	Advance Studio Electives See advisor for list of approved electives	**18**
Advance Studio Requirements *ART 4620 Advanced Studio – Fine Arts** **To be taken in conjunction with ART 4083 Senior Research and ART 4093 Senior Thesis, typically in the final two semesters of coursework)*	6		
Capstone Courses *ART 4083 Senior Research** *ART 4093 Senior Thesis** ** Senior Capstone experience, co-requisite with 6 hours of ART 4620 Advanced Studio - Fine Arts.*	*6*	Capstone Courses **ART 4083 Senior Research** **ART 4093 Senior Thesis**	**3** **3**
Electives *Art Studio Electives* choose 6 hours General Elective choose 3 hours	*9*	Electives **Art Electives (choose 6 hours of any ART course approved for Art majors.)** General Elective choose 3 hours	9
Graphic Design Concentration		Graphic Design Concentration	
Foundation Program - *The Foundation Portfolio Review is required after successful completion of the Foundation Program.*		**Foundation Course Requirements**	
ART 1123 Design I			
ART 1133 Design II	*3*		
ART 1153 Three-Dimensional Design	*3*		
ART 1213 Drawing I	*3*		
ART 1223 Drawing II	*3*		
*ART 2803 Introduction to Computing for ART**	*3*		
** Fulfills Computer Literacy Requirement*	*3*		
CO 1003 Fundamentals of Public Speaking	*3*	CO 1003 Fundamentals of Public Speaking **or** **ART 4423 Presentation Skills for Designers**	3
Survey Program Choose four of the following courses: ART 2013 Painting Survey ART 2213 Life Drawing I ART 2303 Printmaking Survey ART 2403 Sculpture Survey ART 2103 Photography Survey ART 2503 Ceramic Art Survey	12	**Survey Requirements** Choose four of the following courses: ART 2013 Painting Survey ART 2213 Life Drawing I ART 2303 Printmaking Survey ART 2403 Sculpture Survey ART 2103 Photography Survey ART 2503 Ceramic Art Survey	12
Art History and Theory Program *ART 1013 Art History I** *ART 1023 Art History II** *ART 3163 History of Graphic Design* ** Fulfills Fine Arts General Education Requirement*	*3* *3* *3*	**Art History and Theory Requirement** ART 3163 History of Graphic Design	3
Art History Electives	*6*	Art History Electives **Select from the approved electives list.**	**3**
Concentration Core *ART 2813 Intermediate Computing for Designers* *ART 3313 Graphic Art Design I* *ART 3323 Graphic Art Design II* *ART 4103 The Art of Typography and Layout I* ART 4403 Advertising Design I *ART 4640 Advanced Studio-Graphic Design* *ART 4883 Graphic Design for the Internet*	3 3 3 3 3 3 3	Concentration Core **ART 2813 Digital Design II** **ART 3313 Graphic Design I** **ART 3323 Graphic Design II** **ART 4103 Typography I** **ART 4183 Interactive Design I** ART 4403 Advertising Design I **ART 4913 Graphic Design Capstone**	3 3 3 3 3 3 3

Concentration Electives *Must be selected from list or with consent of Concentration Coordinator* *ART 3443 Illustration* *ART 3873 Digital Photography* *ART 3913 Introduction to Print Production* *ART 4113 The Art of Typography and Layout II* *ART 4523 Internship in Graphic Art Design* *ART 4713 Advanced Print Production* *ART 4813 Introduction of Multimedia I Design and Authoring* *ART 4863 Advanced Studio – Computer Art and Design*	12	Concentration Electives **Select from approved concentration electives list.**	12
Electives *Art Studio Electives choose 6 hours* General Elective choose 3 hours	9	Electives **Art Electives (choose 6 hours of any ART course approved for Art majors.)** General Elective choose 3 hours	9
Photography Concentration		Photography Concentration	
Foundation Program *ART 1123 Design I* *ART 1133 Design II* *ART 1153 Three-Dimensional Design* *ART 1213 Drawing I* *ART 1223 Drawing II* CO 1003 Fundamentals of Public Speaking	 3 3 3 3 3 3	**Foundation Course Requirements** CO 1003 Fundamentals of Public Speaking	 3
Survey Program ART 2103 Photography Survey *ART 2303 Printmaking Survey* *Choose two of the following:* ART 2013 Painting Survey ART 2213 Life Drawing I ART 2403 Sculpture Survey ART 2503 Ceramic Art Survey	 3 *3* *6*	**Survey Requirements** ART 2103 Photography Survey **Choose three of the following:** ART 2013 Painting Survey ART 2213 Life Drawing I ART 2403 Sculpture Survey ART 2503 Ceramic Art Survey **ART 2303 Printmaking Survey**	 3 **9**
Art History and Theory Program *ART 1013 Art History I* *ART 1023 Art History II* ART 3633 History of Photography (or approved photo/film based art history course) *ART History Electives*	 *3* *3* 3 *6*	**Art History and Theory Requirements** ART 3633 History of Photography (or approved photo/film based art history course) ART History Electives **Select from the approved electives list.**	 3 **3**
Concentration Core ART 3223 Darkroom Basics ART 3233 Studio Lighting ART 3873 Digital Photography ART 4223 Alternative Photography or ART 4443 Alternative Color ART 4583 Photographic Portfolio I ART 4593 Photographic Portfolio II	 3 3 3 3 3 3	Concentration Core ART 3223 Darkroom Basics ART 3233 Studio Lighting ART 3873 Digital Photography ART 4223 Alternative Photography or ART 4443 Alternative Color ART 4583 Photographic Portfolio I ART 4593 Photographic Portfolio II	 3 3 3 3 3 3
Concentration Electives *Must be selected from list or with consent of Concentration Coordinator* *ART 3243 Intermediate Darkroom* *ART 3303 Printmaking II* *ART 3803 Gallery Management*	12	Concentration Electives **Select from the approved concentration electives list.**	12

ART 4223 Alternative Photography *ART 4443 Alternative Color* *ART 4660 Advanced Studio – Photography* *ART 4693 Internship in Fine Art* *ART 4873 Digital Imaging* *CO 3713 Digital Communication* *Art Studio Electives*	*15*	**Electives** **Art Electives (choose 9 hours of any ART course approved for Art majors.)** General Elective choose 6 hours	15
Total Hours	120	Total Hours	120
Art Minor The Department of Art offers a minor in Art. The minor consists of 18 credit hours of courses with an ART prefix. One or more 1000-level courses and one 2000-level course must be completed in addition to at least three 3000- or 4000-level courses. For an Art minor, a student may take all Art studio courses or a combination of Studio and Art History. Art History Minor A minor in Art History consists of 18 credit hours. A student must take *ART 1013 Art History I* *ART 1023 Art History II* *Choose four of the following:* *ART 3143 Italian Renaissance Art History* *ART 3603 Directed Writings in Modern Art History* *ART 3613 Art and Film* *ART 3623 Art in France: 1850-1900* *ART 3653 Roman Baroque Art* *ART 3663 Medieval Stained Glass* *ART 3673 The Gothic Cathedral* *ART 3683 The History of Art and Religion* *ART 4573 Critical Issues in Recent Art* *Other approved Art History courses*	3 3 12	Art Minor The Department of Art offers a minor in Art. The minor consists of 18 credit hours of courses with an ART prefix. One or more 1000-level courses and one 2000-level course must be completed in addition to at least three 3000- or 4000-level courses. For an Art minor, a student may take all Art studio courses or a combination of Studio and Art History. Art History Minor A minor in Art History consists of 18 credit hours. A student must take **ART 1013 Art History pre-1300's** **ART 1023 Art History post-1300's** **Choose four approved, upper-level Art History courses (contact department for approved list)**	3 3 12
Total Hours	18	Total Hours	18
Accreditation Mississippi State University is an accredited institutional member of the National Association of Schools of Art and Design.		Accreditation Mississippi State University is an accredited institutional member of the National Association of Schools of Art and Design.	

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 Architecture, Art, and Design **Department:** Building Construction Science

Contact Person: Saeed Rokooei **Mail Stop:** 9635 **E-mail:** srokooei@caad.msstate.edu

Nature of Change: New Program **Date Initiated:** 9/26/24

Current Degree (BS, MS, etc.):

Current Major:

Current Concentration(s):

Current Campus(es): ☑ Starkville ☐ Meridian ☐ Distance ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.): MS

Effective Date:

Semester Fall **Year** 2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major: Construction Management

Proposed Concentration(s):

Proposed Campus(es)

☑ Starkville
☐ Meridian
☑ Distance
☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering only

Summary of Proposed Changes:

Introduce a new Master of Construction Management program, administered by The Department of Building Construction Science (BCS) in the College of Architecture, Art, and Design (CAAD). This program is for Starkville and Distance campuses.

Approved:	Date:
Department Head	10/7/2024
Director of Academic Quality	9/30/2024
Chair, College or School Curriculum Committee	01/07/25
Dean of College or School	01/07/25
Chair, University Committee on Courses and Curricula	
Chair, Graduate Council (if applicable)	
Chair, Deans Council	March 26th, 2025

Alexis Gregory

Dominic Lippillo
Digitally signed by Dominic Lippillo
Date: 2025.01.07 10:20:34 -06'00'

Digitally signed by Andy D. Perkins
Date: 2025.03.13 14:28:51 -05'00'

Russell Carr
Digitally signed by Russell Carr
Date: 2025.04.10 18:46:11 -05'00'

Peter Liam Ryan

Template for NEW PROGRMS (see Guide and Format for further information)

1. Justification for the New Degree Program including how it meets the mission of the university.

   The proposed Master of Science in Construction Management (MSCM) program at Mississippi State University is strategically justified by the significant demand for skilled construction managers in both the state and the broader industry, where a projected need for an additional 68 professionals annually underscores the urgency for advanced education. This program aligns closely with MSU's mission to provide access and opportunity, foster excellence in teaching, and support economic development. By offering flexible delivery options for both traditional students and working professionals, the MSCM program enhances educational access while combining theoretical knowledge with practical experience to ensure high-quality instruction. Furthermore, it fills a critical gap in advanced construction management education within Mississippi, positioning MSU as a leader in this field and preparing graduates to effectively manage complex projects, implement new technologies, and contribute to the growth of the construction sector. Ultimately, the MSCM program not only supports the university's mission but also strengthens its academic portfolio and promotes economic development in the region.

2. Catalog Description and Curriculum Outline-insert the template here:

   Core Courses (15 crh):
   BCS 6113 Construction Risk Management and Decision-Making
   BCS 8113 Leadership and Human Factors in Construction
   BCS 8123 Research Methodology in Construction
   BCS 8133 Emerging Technologies in Construction
   BCS 8143 Advanced Project Management and Control

   Elective Courses (9 crh): [Equivalent courses from other departments are accepted, if approved]
   BCS 6213 Sustainable Construction
   BCS 6223 Construction Financial Management
   BCS 6233 Construction Heavy Equipment and Methods

   Track Options (6 crh):

1) Professional Track
BCS 6313 Construction Data Analytics
BCS 6323 Special Topics in Construction
or
2) Research Track
BCS 9000 Research in Construction

BCS 6113: Construction Risk Management and Decision-Making

Three hours lecture. Examine risk identification, analysis, and mitigation in construction projects, emphasizing decision-making strategies to manage uncertainties and improve project outcomes.

BCS 8113: Leadership and Human Factors in Construction

Three hours lecture. Explore leadership skills and human factors affecting construction projects, emphasizing team collaboration, effective communication, and strategies to enhance project outcomes.

BCS 8123: Research Methodology in Construction

Three hours lecture. Introduction to research methods in construction management, focusing on data collection, analysis, and interpretation to support evidence-based decision-making in construction projects.

BCS 8133: Emerging Technologies in Construction

Three hours lecture. Introduction to emerging technologies in construction processes, focusing on innovation, implementation, and benefits in enhancing project efficiency and sustainability.

BCS 8143: Advanced Project Management and Control

Three hours lecture. Application of advanced techniques for managing and controlling construction projects, focusing on planning, execution, and performance measurement to ensure project success.

BCS 6213: Sustainable Construction

Three hours lecture. A comprehensive review of sustainable construction practices, focusing on environmentally friendly materials, energy-efficient designs, and strategies to minimize environmental impact throughout the construction lifecycle.

BCS 6223: Construction Financial Management

Three hours lecture. A comprehensive review of financial principles in construction, covering budgeting, cost control, financial analysis, and cash flow management to ensure the financial success of construction projects.

BCS 6233: Construction Heavy Equipment and Methods

Three hours lecture. A comprehensive review on the selection, operation, and management of heavy equipment in construction, focusing on methods that enhance efficiency, safety, and project success.

BCS 6313: Construction Data Analytics

Three hours lecture. Introduction to data analytics in construction, focusing on data collection, analysis, and interpretation to enhance decision-making, project efficiency, and performance evaluation.

BCS 6323: Special Topics in Construction

Three hours lecture. A comprehensive review of emerging issues and innovations in construction management, offering insights into contemporary challenges and advanced topics relevant to industry trends and practices.

3. Describe the coherence and increasing rigor of the program.

    a. Undergraduate Programs: Provide evidence that 3000-level and 4000-level courses are designed to provide a coherent program of study that enhances the degree.
    b. Graduate Programs: Provide evidence that the design of the program is not just a collection of graduate courses.

    The proposed Master of Science in Construction Management program at Mississippi State University is designed as an integrated curriculum that extends beyond a mere collection of graduate courses. It features a cohesive structure, beginning with core courses that establish essential competencies in risk management, leadership, research methodology, emerging technologies, and advanced project management. This foundation is complemented by a set of elective courses that enhance the core curriculum and ensure comprehensive coverage of key areas in construction management as well as two distinct

tracks—Professional and Research—that cater to diverse career paths. The synergistic relationships among the courses ensure a progressive development of skills, addressing both technical and managerial aspects of construction management while fostering analytical capabilities and contemporary issues like sustainability. Overall, the program offers a comprehensive educational experience that prepares graduates for leadership roles in the construction industry or further academic pursuits.

4. Student Learning Outcomes

Assessment Procedures

Learning Outcome	Assessment description & Course
Create effective and professional written communications.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 8123 Research Methodology in Construction.
Apply critical thinking.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 8113 Leadership and Human Factors in Construction.
Apply problem-solving techniques.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 6113 Construction Risk Management and Decision-Making.
Apply decision making techniques.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 6113 Construction Risk Management and Decision-Making.
Apply research methods.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 8123 Research Methodology in Construction.
Apply advanced communication technology.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 8133 Emerging Technologies in Construction.
Apply professional ethics.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 8113 Leadership and Human Factors in Construction.
Apply advanced construction management practices.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 6223 Construction Financial Management.
Understand risk management.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 6113 Construction Risk Management and Decision-Making.
Understand the principles of leadership in business.	Assessments include quizzes, exams, projects, and class activities. The learning objective is evaluated in BCS 8113 Leadership and Human Factors in Construction.

5. Proposed 4-letter Abbreviation
   MSCM

6. CIP Number (contact Director of Academic Quality for help in determining number)
   CIP 15.1001.00

7. Attach Letters of Support

8. Attach IHL Appendix 8

NEW GRADUATE DEGREE OUTLINE FORM

Use the chart below to indicate your new degree outline. Please list required College and Major Required Courses and if appropriate Concentration Courses. Graduate programs that wish to specialize beyond the Major must have at least two concentrations. Add additional rows as needed for programs with more than two concentrations. Expand rows as needed

PROPOSED New Degree	
Degree: MS Major: Construction Management Concentration 1: NA Concentration 2: NA	
The Master of Science in Construction Management is an advanced degree program designed to prepare students for leadership roles in the construction industry by integrating managerial, technological, economic, and environmental aspects of construction projects. The curriculum focuses on advanced project management, risk management, emerging technologies, sustainability, and leadership in construction, ensuring a comprehensive education that balances theoretical knowledge with practical application through real-world projects and case studies. With flexible delivery methods that often include both in-person and online options, the program accommodates working professionals while addressing cutting-edge topics such as Building Information Modeling (BIM) and sustainable construction practices. Students will develop critical thinking, problem-solving, and decision-making skills tailored to the complexities of modern construction projects. Graduates are prepared for diverse roles such as project manager, construction manager, estimator, and scheduler, enhancing their career prospects and earning potential in a rapidly evolving sector. The program is aimed to be accredited by industry-recognized bodies like the American Council for Construction Education (ACCE) and requires 30 credit hours of coursework. Ultimately, this degree aims to produce skilled professionals who can effectively manage the challenges of contemporary construction projects and contribute to the advancement of the industry.	
Proposed Curriculum Outline	Required Hours
College Required Courses:	-
Major Required Courses: BCS 6113 Construction Risk Management and Decision-Making BCS 8113 Leadership and Human Factors in Construction BCS 8123 Research Methodology in Construction BCS 8133 Emerging Technologies in Construction BCS 8143 Advanced Project Management and Control Elective Courses: BCS 6213 Sustainable Construction BCS 6223 Construction Financial Management BCS 6233 Construction Heavy Equipment and Methods Track Options (6 crh):	 3 3 3 3 3 3 3 3

1) Professional Track BCS 6313 Construction Data Analytics BCS 6323 Special Topics in Construction or 2) Research Track BCS 9000 Research in Construction	 3 3 6
Concentration 1. Courses: NA	-
Total Hours	30

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8
(Submit in PDF format with signatures.)

Institution:	Mississippi State University
Date of anticipated implementation:	August 2025
Program title as it will appear on Academic Program Inventory, Diploma, and Transcript:	Construction Management
Name of degree(s) to be awarded:	MS in Construction Management
Six-digit CIP code:	15-1001
Total credit-hour requirement to earn the degree:	30
Responsible academic unit:	Department of Building Construction Science
Institutional contact:	Saeed Rokooei
Phone:	662-325-1298
Email:	srokooei@caad.msstate.edu
SACSCOC Substantive Change:	☒ Program proposed **IS NOT** a substantive change. ☐ Program proposed **IS** a substantive change.
Incremental, five-year cost of implementation:	$1,360,400
Incremental, five-year per student cost of implementation:	$4820
Potential five-year, new revenue:	$1,669,800
Potential new, five-year revenue per student:	7590
Will it attract new students to the university?	☒ Yes ☐ No
List any institutions within the State offering similar programs:	None

Number of students expected to enroll in first 5 years:		Number of students expected to graduate in first 5 years:	
Year 1	10	Year 1	0
Year 2	20	Year 2	10
Year 3	30	Year 3	20
Year 4	30	Year 4	30
Year 5	40	Year 5	30
Total	130	Total	90

Program summary (include second majors completed, if applicable):

There is a growing demand for graduate degree programs that provide advanced knowledge in construction management, oriented towards working professionals. However, like other higher education institutions in the state of Mississippi, MSU currently does not offer a graduate degree program that focuses on the advanced skills and managerial aspects of construction, which are in highest demand among working professionals. In the current economic environment, with consistently increasing growth in construction projects, advanced construction management knowledge and expertise are in great demand. Many working professionals must acquire an understanding of advanced methods to contribute effectively to project execution and the ongoing operation of construction organizations. These professionals seek a practical approach to advanced construction management, focusing on skills for the responsible use of relevant methods and tools across various construction sectors. Because managerial tools and techniques are used in every aspect of modern construction organizations, these professionals come from a variety of educational backgrounds, making it difficult to anticipate whether learners will have traditional preparation in subjects like leadership and emerging technologies that form a significant part of construction management. In response to this need, a growing number of construction schools in the United States are offering Master of Science degrees. MSU's proposed

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8

(Submit in PDF format with signatures.)

Master of Science in Construction Management (MSCM) innovatively combines concepts and skills from many construction areas to enable learners to gain mastery of construction management concepts along with practical, hands-on experience in using various methods with real-world datasets across many construction sectors. To address the needs of both traditional students and working professionals, the degree is designed to be offered both in-person and online. To address uncertainty about learner preparation and improve the accessibility of the program, the degree has been designed to require only core concepts of construction management as prerequisite courses and to facilitate the learner's path to commence the program.

The audit of recently approved academic programs ensures that the program outcomes are congruent with the Board-approved proposal.

Please respond to the questions on the following pages to aid the institution and IHL staff in making recommendations to the IHL Board of Trustees.

_____ _____

Chief Academic Officer Signature – Date Institutional Executive Officer Signature – Date

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8
(Submit in PDF format with signatures.)

New Academic Degree Program Questions:

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 program will be administered through the Department of Building Construction Science (BCS) in the College of Architecture, Art, and Design, by a program coordinator and a student program advisor. The program will be governed under the general direction of the BCS graduate faculty. Specific responsibility for the design, review, and revise of the curriculum will be the purview of the BCS Department Head, Program Coordinator and faculty. Degree and course additions, modifications, and deletions are subject to approval by the larger faculty (University Course and Curriculum Committee).
The Program Coordinator responsible for curriculum development and ongoing program review is Saeed Rokooei, Ph.D., Associate Professor of the Building Construction Science Program.

2 Describe the educational objectives of the degree program including the specific objectives of any concentrations, emphases, options, specializations, tracks, etc.

The Master of Science in Construction Management incorporates the following learning objectives:
1. Create effective and professional written communications.
2. Apply critical thinking.
3. Apply problem-solving techniques.
4. Apply decision making techniques.
5. Apply research methods.
6. Apply advanced communication technology.
7. Apply professional ethics.
8. Apply advanced construction management practices.
9. Understand risk management.
10. Understand the principles of leadership in business.

3 Describe any special admission requirements for the degree program including any articulation agreements that have been negotiated or planned.

Admitted applicants to the Master of Science in Construction Management program at MSU must meet the University's Graduate School Admissions requirements. Additionally, applicants are required to demonstrate knowledge in core construction concepts, including: 1) Project Management, 2) Scheduling, and 3) Estimating. This knowledge can be satisfied through relevant coursework completed in undergraduate programs that cover these subjects (which means any construction-related programs that provides those three subjects) or their equivalents (which means through professional learning platforms).

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

No professional body currently accredits the Master of Science in Construction Management program. However, the program is designed to meet the standard necessary for future accreditation by the American Council for Construction Education (ACCE). While no substantive change according to SACSCOC guidelines is required at this time, pursuing ACCE accreditation will remain a strategic goal to enhance the program's recognition and ensure alignment with industry standards.

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.

All students will be required to complete 30 credit hours of coursework that includes the following categories: core courses (15 credit hours), elective courses (9 credit hours), and track option courses (6 credit

hours). Track options include either two 3-credit hour courses for the professional track or a 6-credit hour research thesis for the research track.
Students may substitute any of the three elective courses with comparable offerings from other departments. Such substitutions require individual review and approval by the graduate coordinator or department head. For instance, CE 6733 may be approved as a replacement for BCS 6233.

Syllabi for each of the following courses provide greater detail on course content:

Core Courses (15 crh):
BCS 6113 Construction Risk Management and Decision-Making
BCS 8113 Leadership and Human Factors in Construction
BCS 8123 Research Methodology in Construction
BCS 8133 Emerging Technologies in Construction
BCS 8143 Advanced Project Management and Control

Elective Courses (9 crh): [Equivalent courses from other departments are accepted, if approved]
BCS 6213 Sustainable Construction
BCS 6223 Construction Financial Management
BCS 6233 Construction Heavy Equipment and Methods

Track Options (6 crh):
1) Professional Track
BCS 6313 Construction Data Analytics
BCS 6323 Special Topics in Construction
or
2) Research Track
BCS 9000 Research in Construction

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 in order to begin the program, give the desired qualifications of the persons to be added.

The faculty necessary to teach the program courses are already present in the Department of Building Construction Science at MSU. The program courses will continue to be delivered primarily by existing faculty or approved adjunct faculty in the Department of Building Construction Science in the College of Architecture, Art and Design.

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 Mississippi State Library has adequate holdings for the proposed program. The following databases and more from the Mississippi State Library are relevant to the MS in Construction Management program:
• Academic Search Premier
• CloudSource+ and CloudSourceOA that search multiple databases, journal publishers, index open access scholarly journal articles, open textbooks, and open education resources
• eBooks from EBSCO
• ERIC
• 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 subjects and full-text content
• Access to electronic journals sufficient to meet the needs of baccalaureate studies
• Discipline-based research guides aligned to applied science majors

• Access to virtual training opportunities through the library's MaxxSouth Digital Media Center (DMC) (ex.: Excel, Adobe InDesign, CAD, and other technology) online
• ILL and document delivery services for obtaining materials not owned by MSU Libraries

8 Describe the procedures for evaluation of the program and its effectiveness in the first five 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.

Multiple methods will be used to evaluate student learning and program effectiveness:

- Student learning will be assessed through course assessments (exams, quizzes, homework, and projects).
- The Office of Institutional Effectiveness at MSU conducts exit surveys of graduates and tracks admission, retention, graduation, and graduate placement rates that will be used to evaluate the program's effectiveness.
- The Center for Distance Education utilizes a variety of measures to assess student learning that will also be used to help evaluate the program's effectiveness.
- The success of the program will be determined by the number of learner students who enroll in the degree program versus the number of students that successfully complete the degree during the initial five-year period of the degree program.

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

The Master of Science in Construction Management (MSCM) program at Mississippi State University (MSU) is expected to enroll students incrementally over a five-year period. With an optimal completion time of one year, graduates are anticipated starting from the second year of the program's implementation. This MSCM program is unique in Mississippi and one of the few such degrees in the nearby states of Alabama, Arkansas, and Louisiana, designed to prepare students for administrative and leadership careers in the construction sector.
A needs assessment survey conducted in spring 2024 revealed significant industry interest in the proposed MSCM program. All responding companies expressed enthusiasm for a master's degree that provides students and professionals with a comprehensive and deeper understanding of the complexities of leadership and supervision in construction. This strong interest was further reinforced by requests from the Associated Builders and Contractors (ABC) and the Mississippi Construction Education Foundation (MCEF) to initiate this program. Additionally, the recent advancement in joint efforts between MSU and the University of Rabat in Morocco suggests a promising demand for the MSCM among international applicants.
The survey results and industry feedback have confirmed the demand for this program and motivated the development of a relevant MSCM curriculum that meets the needs of industry partners and the state of Mississippi. This program aims to fill a crucial gap in advanced construction management education and contribute to the growth and development of the construction industry in the region.

10 Using expected enrollment, provide the total anticipated budget for the program including implementation and 4 subsequent years (total of 5 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.

Please explain what has been included in the costs and revenues.

Start-Up Costs: one-time costs associated with offering this program

Direct, Incremental Costs: additional annual costs to the university as a result of offering this program

Incremental Revenue: additional annual revenue assuming that this program will bring in new students paying full tuition

Non-Tuition Revenue: external funds, grants, contracts or other revenues attributable to the addition of this program

Differential: all revenues minus all costs

Year	Incoming Students	Total Enrollment	Start-Up Costs	A Additional Annual Costs	B Additional Annual Revenue	C Non-Tuition Revenue	(B+C)-A Differential
2025-26	10	10	$0.00	$108,200.00	$75,900.00	$0.00	-$32,300.00
2026-27	20	30	$0.00	$204,600.00	$227,700.00	$0.00	$23,100.00
2027-28	30	50	$0.00	$301,000.00	$379,500.00	$0.00	$78,500.00
2028-29	30	60	$0.00	$349,200.00	$455,400.00	$0.00	$106,200.00
2029-30	40	70	$0.00	$397,400.00	$531,300.00	$0.00	$133,900.00
TOTAL	130	220	$0.00	$1,360,400.00	$1,669,800.00	$0.00	$309,400.00

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

☒ Survey of Student Interest

Number of surveys administered: 90
Number of completed surveys returned: 60
Percentage of students interested in program: 76%

Include a brief statement that provides additional information to explain the survey.
In total, the MSCM survey garnered 403 responses from Mississippi State University alumni and current students. Responses consisted of 91% Mississippi State University alumni and 15% current bachelor's students. Of the respondents, 222 people, or 55%, are currently working in the construction industry. Additionally, 385 respondents, or 95%, agree with the vision to have a master's degree focusing on developing leaders in the construction industry. 97% of respondents agree with the goal of the master's degree to produce well-rounded sophisticated graduates equipped with techno-managerial, strategic and business abilities to lead in today's increasingly complex workplace. 61% of respondents agreed that Mississippi State University is well poised to commence the MSCM. 76% of respondents agreed that MSU graduates in related disciplines would be likely to pursue the MSCM. Respondents found the following attributes as most important to include: project management, construction financial management, decision making and risk analysis in construction, construction safety management, contracts and claims, quality management in construction, leadership, construction legal environment, design-build construction, project controls, construction economic analysis, value engineering, productivity improvement, building information modeling, sustainable built environment, lean construction, and artificial intelligence in construction. Respondents identified career growth particularly in management and leadership positions as the greatest potential benefit perceived from the master's degree.

☒ Market Analysis or Evidence of Labor Market Need

The construction industry in Mississippi and the broader United States is experiencing significant growth and transformation, creating a strong demand for professionals with advanced management skills. According to the U.S. Bureau of Labor Statistics, there are currently 1,330 construction managers working in Mississippi's construction sectors. Considering a regular growth rate of 4% over a 30-year period, there is an average need for an additional 68 new construction managers annually, not accounting for the higher-than-average age of the current workforce in the industry. This demand is further amplified by several key trends shaping the construction landscape. These include the adoption of new technologies like Building Information Modeling (BIM) and construction management software, a growing focus on sustainability and green building practices, the rise of modular and prefabricated construction methods, and the implementation of design-build project delivery systems. The industry is also grappling with persistent labor shortages, creating opportunities for skilled managers who can navigate these challenges. Additionally, the influx of federal infrastructure spending and the increasing complexity of projects are driving the need for professionals with advanced knowledge in construction management. The MS in Construction Management at Mississippi State University is uniquely positioned to address these industry needs, offering a program that combines theoretical knowledge with practical, hands-on experience, and

catering to both traditional students and working professionals through flexible delivery options.

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

Graduates of the Master of Science in Construction Management program will possess advanced knowledge and skills that uniquely prepare them for managerial roles within the construction industry. As the construction sector continues to be a vital component of the economy, there is a consistent demand for skilled professionals equipped with the expertise necessary to navigate complex projects and lead teams effectively.

In Mississippi, graduates will be well-positioned to assume leadership roles in large construction firms operating in major cities such as Jackson, Gulfport, and Biloxi. Their advanced managerial skills and technical expertise will be invaluable in state government agencies overseeing complex infrastructure development projects. Commercial and residential developers will seek out these graduates for their ability to manage multifaceted projects efficiently. In healthcare facility construction and educational institution expansion projects, their advanced knowledge in both management and technical aspects of construction will be crucial for ensuring successful project outcomes.

The southeastern United States offers a dynamic construction market where graduates can leverage their advanced skills. In rapidly growing urban centers like Atlanta, Nashville, and New Orleans, their expertise in managing large-scale projects and teams will be in high demand. Coastal development projects along the Gulf Coast will benefit from their advanced understanding of environmental considerations and regulatory compliance. Infrastructure improvement initiatives across multiple states will require their sophisticated project management abilities and technical know-how. In industrial construction within key manufacturing hubs, their advanced knowledge of modern construction technologies and management techniques will be essential for optimizing efficiency and productivity.

On a national scale, MSCM graduates from Mississippi will be sought after by large national construction and engineering firms for their comprehensive understanding of both managerial and technical aspects of construction. Federal agencies such as the U.S. Army Corps of Engineers will value their advanced skills in managing complex, large-scale projects. Consulting firms specializing in construction management will rely on their expertise to provide high-level strategic advice to clients. Technology companies developing cutting-edge construction software and solutions will benefit from their deep understanding of both management principles and technical requirements in the construction industry. The growing field of renewable energy construction presents another avenue where their advanced knowledge in sustainable practices and project management will be highly valued.

According to projections from the U.S. Bureau of Labor Statistics, construction manager jobs are expected to grow by 8% from 2021 to 2031, which is faster than the average for all occupations. This growth, combined with the advanced skills acquired through the MSCM program, positions graduates favorably in the job market. With their comprehensive understanding of project management, scheduling, estimating, and leadership, graduates will be well-equipped to assume roles such as project manager, construction manager, estimator, scheduler, sustainability consultant, and construction technology specialist. The diverse skill set gained from the program not only enhances their employability but also empowers them to thrive in managerial positions within the construction industry and related fields. This version highlights the advanced knowledge and managerial expectations for graduates while maintaining clarity and coherence throughout the section.

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8

(Submit in PDF format with signatures.)

The prerequisites for the courses are on the agenda and need to be approved.

They are already approved by UCCC.

Class Structure needs some clarification as to why the face to face class entails lectures from all of the course topics while the online asynchronous class includes lectures on only certain topics. Change: “Instructional methods for online offerings to include asynchronous mini lectures on certain topics within the detailed course outline” to: “Instructional methods for online offerings to include asynchronous lectures on topics within the detailed course outline”.

The wording of the asynchronous section was changed to make the description consistent with the face-to-face mode. The revised statement is “Instructional methods for online offerings to include asynchronous lectures on the topics within the detailed course outline, online resource viewing, textbook readings, weekly quizzes, online discussion, plus projects and exams.”

Learning outcomes for BCS include ACCE professional standards, but no other courses do. If these standards are required for the degree they need to be added to the other courses.

ACCE as the construction accreditation body has 10 SLOs at “Create (1 SLO), Apply (7 SLOs), and Understand (2 SLOs)” levels that should be appeared exactly as they are in the course objectives. Also, ACCE requires that ALL students should go through SLO measurement. In the current proposal we have five courses that all students should take. Other courses are either elective or concentration based. Therefore, based on the nature of the subjects, these 10 ACCE SLOs are assigned to these five courses, denoted by ACCE SLO X. Other course objectives are non-ACCE ones and defined by the program.

“Understand” should be removed from learning outcomes as it is not measurable.

This comment does not seem to be an accurate statement as Understand is the second level in Bloom Taxonomy and there are tools and methods to measure Bloom levels. However, all Understand-level objectives were removed to address this comment. The only exception is the two SLOs defined and mandated by ACCE (BCS 6113- SLO 9 & BCS 8113- SLO 10), as specified in the previous comment.

The attendance policy for campus 5 students for all courses states that students are expected to join the online environment for class discussions during specified times, but these are listed as asynchronous courses, which means students cannot be penalized for missing these specified times.

The policy for campus 5 was not meant to mandate students to join the class online at a set time, instead it described the necessity of students' participation in discussions and forums during a specified period (for example providing comments on a topic within a two-week period). However, the statement was revised to make this clearer as follows:

Participation is monitored and evaluated regularly via Canvas. Each student is expected to log into Canvas for class discussions during specified time intervals. Non-participation in announced discussions, as recognized by failure to contribute online, will be interpreted as an absence.

BCS 6323 cannot be named "Special Topics" as that title is reserved for BCS 6990. It is recommended that the title be updated to "Current" or "Emerging Topics"

The title was changed to "Current Topics in Construction"

A statement about the acceptance of equivalent coursework as prerequisites would be helpful if the event students with bachelor's degrees from other institutions enroll in the program.

The statement under Section 3, IHL Appendix 8 confirms this point.

Admitted applicants to the Master of Science in Construction Management program at MSU must meet the University's Graduate School Admissions requirements. Additionally, applicants are required to demonstrate knowledge in core construction concepts, including: 1) Project Management, 2) Scheduling, and 3) Estimating.

This knowledge can be satisfied through relevant coursework completed in undergraduate programs that cover these subjects (which means construction-related programs that provide those three subjects) or their equivalents (which means through professional learning platforms).

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARCHITECTURE, ART & DESIGN
DEPARTMENT OF BUILDING CONSTRUCTION SCIENCE

P.O. Box 6222
132 Howell Building | 823 Collegeview St.
Mississippi State, MS 39762

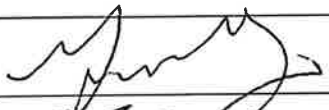
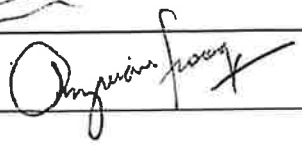
P. 662.325.8305
www caad msstate edu

Aug. 16, 2024

To: University Committee on Courses and Curricula

Re: BCS MSCM Courses

The Building Construction Science Curriculum Committee are in support of the proposal to create the following courses as a requirement for the new master's program in the Department: BCS 6113: Construction Risk Management and Decision-Making, BCS 8113: Leadership and Human Factors in Construction, BCS 8123: Research Methodology in Construction, BCS 8133: Emerging Technologies in Construction, BCS 8143: Advanced Project Management and Control, BCS 6213: Sustainable Construction, BCS 6223: Construction Financial Management, BCS 6233: Construction Heavy Equipment and Methods, BCS 6313: Construction Data Analytics, BCS 6323: Special Topics in Construction

Name/Title	Committee Role	Signature
George Ford Professor	Chair and Voting Member	
Afshin Hatami Assistant Professor	Vice Chair and Voting Member	
Michele Herrmann Associate Professor	Voting Member	
Mohsen Garshasby Assistant Professor	Voting Member	
Mahdi Ghafoori Assistant Professor	Voting Member	
Rizwan Farooqui Assistant Professor	Voting Member	

Please let the committee know if there are any questions or concerns.

Sincerely,

George Ford
Professor
BCS Curriculum Committee Chair

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 & D **Department:** Art

Contact Person: Suzanne Powney **Mail Stop:** 9368 **E-mail:** jsp114@msstate.edu

Nature of Change: New Program **Date Initiated:** 12/17/2024

Current Degree (BS, MS, etc.): BFA

Current Major: ART

Current Concentration(s): Fine Art, Graphic Design, Photo

Current Campus(es): ☑ Starkville ☐ Meridian ☐ Distance ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.): Minor

Effective Date:

Semester Fall **Year** 2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major:

Proposed Concentration(s): Graphic Design

Proposed Campus(es)

☑ Starkville
☐ Meridian
☐ Distance
☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering or

Summary of Proposed Changes:

The Department of Art is launching a Graphic Design minor alongside its established Fine Art and Art History minors, offering students an opportunity to complement their major studies in related fields. As graphic design skills become increasingly essential across various disciplines, this new minor provides valuable expertise that enhances a wide range of degree programs at MSU.

Approved:	Date:
Department Head	1-15-25
Director of Academic Quality	1/27/25
Alexis Gregory Digitally signed by Alexis Gregory Date: 2025.01.30 11:34:26 -06'00' Chair, College or School Curriculum Committee	
Dominic Lippillo Digitally signed by Dominic Lippillo Date: 2025.02.03 08:27:19 -06'00' Dean of College or School	
Andy D. Perkins Digitally signed by Andy D. Perkins Date: 2025.03.13 14:29:13 -05'00' Chair, University Committee on Courses and Curricula	
Chair, Graduate Council (If applicable)	
Chair, Deans Council	March 26th, 2025

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☐ Notification to SACSCOC
- ☐ No significant departure

OIRE Representative Initials _____

PROPOSAL FOR

1. CATALOG DESCRIPTION

The Department of Art offers a minor in Graphic Design (GDM). This minor consists of 18 credit hours. The required courses are Art 2803 Digital Design I or Art 2813 Digital Design II and ART 3313 Graphic Design I. The remaining credits are chosen from an approved list of graphic design electives. Students may take all studio courses or a combination of studio electives and History of Graphic Design. Art majors are allowed to pursue Art minors in areas outside of their concentration.

A. Required Course:

- Art 2803 Digital Design I or Art 2813 Digital Design II — 3 credit hours
- ART 3313 Graphic Design I — 3 credit hours

B. Students will select twelve (12) credit hours / Four (4) courses in the Graphic Design Concentration from an approved list. To receive a minor in graphic design, students must have at least nine (9) hours of graphic design concentration courses beyond ART 3313.

- Choose four approved Graphic Design courses (contact department for approved list)

2. CURRICULUM OUTLINE

The Graphic Design Area Coordinator will oversee the Graphic Design Minor's (GDM) administration and report on its progress to the Head of the Department of Art. The Graphic Design minor is open to students in good standing and enrolled at the university.

Required Courses	Hours
ART 2803 Digital Design I or 2813 Digital Design II*	3
ART 3313 Graphic Design I	3
Approved Elective Courses	**Hours**
ART2813 Digital Design II	3
ART 3163 History of Graphic Design	3
ART 3913 Introduction to Print Production	3
ART 4113 Typography II	3
ART 4143 Letterpress for Design	3
ART 4163 Visual Storytelling	3
ART 4183 Interactive Design I *	3
ART 4353 Illustration for Design	3
ART 4403 Advertising I *	3
ART 4373 Motion Graphics	3
ART 4423 Presentation Skills for Designers	3
ART 4523 Graphic Design Internship	3

ART 4713 Advanced Print Production	3
ART 4723 Advanced Concept Development	3
ART 4813 Interactive Design II	3
ART 4883 Web Design I	3
ART 4990 Special Topics [offered in the graphic design Concentration]	3
Total Required Hours for Minor	**18**
* Permission of instructor required	

3. COURSE DESCRIPTIONS FOR REQUIRED COURSES

ART 2803 Digital Design I - Six hour studio. Introduction to digital creative applications in the visual arts and design.

ART 2813 Digital Design II - (Prerequisites: ART 2803 or consent of Instructor). Six hour studio. Further instruction in digital creative applications and beginning concept development in design thinking for graphic design majors.

ART 3313 Graphic Design I – (Prerequisites: ART 2803, ART 2813 or consent of instructor). Six hours studio. Introduction to the art and process of design in printed communication. Students develop graphic skills with an emphasis placed upon conceptual development, research, production and both visual and verbal presentation skills.

4. JUSTIFICATION FOR GRAPHIC DESIGN MINOR

The Department of Art is launching a Graphic Design minor alongside its established Fine Art and Art History minors, offering students an opportunity to complement their major studies in related fields. As graphic design skills become increasingly essential across various disciplines, this new minor provides valuable expertise that enhances a wide range of degree programs at MSU.

5. STUDENT LEARNING OUTCOMES AND ASSESSMENT

The minor will introduce the student to the digital and analog approaches in graphic design. At the conclusion of the minor in graphic design, the student will have a portfolio that will demonstrate knowledge of different print processes and digital interaction, an introduction to animation, and a foundation for creating a larger body of work in the future.

- Students will understand the history, theory, and practice of graphic design.
- Students will develop skills in a wide range of graphic design processes.
- Students will have a stronger appreciation of the Fine Arts.

- Students will create visual communication with a broader understanding of composition and design.

6.EFFECTIVE DATE: Fall 2025

7.CONTACTS:

Cassie Hester, Associate Professor and Graphic Design Coordinator
chester@caad.msstate.edu
Department of Art
Mail Stop 9683
102 Freeman Hall
MsState, MS 39762

8. LETTER OF SUPORT: Please see the attached letter of support from the Department of Art.

MISSISSIPPI STATE UNIVERSITY

College of Architecture Art + Design
Department of Art

P.O. Box 5182
415 Barr Avenue
Mississippi State, MS 39762

P. 662.325.2970
F. 662.325.3850
www.caad.msstate.edu

November 22nd, 2024

RE: ART Graphic Design Minor & ART Photography Minor

On Friday, November 22nd, 2024, a quorum of the Department of Art faculty voted to approve the creation of minors in Graphic Design and Photography. The following faculty members have endorsed the submission of these minors to the UCCC for further consideration.

Sincerely,

Critz Campbell
Department Head

Printed Name	Signature
AUDREY POHL	
CASSIE L. HESTER	
KeumTaek Jung	
Rowan Hawng	
BENJAMIN HARVEY	
Aaron Mottet	
Tim McCourt	
Jingshuo Yang	
JOE MORZUCH	
MARITA GOOTEE	
Dixie Boswell	
CAROLINE HATFIELD	
Josh Cook	
Robert Lang	
Rowan Hawng	

DEGREE MODIFICATION OUTLINE FORM

Use the chart below to make modifications to an existing undergraduate 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 in both columns. Expand this table as needed.

CURRENT Degree Description	PROPOSED Degree Description
Degree: BFA *Major: Art* *Concentration: Fine Art, Graphic Design, Photography*	**Degree: Minor - Graphic Design**
Mission The Department of Art's primary undergraduate responsibilities include educating professional artists with concentrations in Fine Arts, Graphic Design, and Photography; preparing students for a career or advanced study; offering courses that fulfill University requirements; and providing an active art gallery to serve the University, the community, and region. Bachelor of Fine Arts The Bachelor of Fine Arts (B.F.A.) degree is a professional studio degree. The B.F.A. degree is earned after successful completion of an intensive, 4-year program that provides the student with a series of in-depth studio experiences leading to thesis/senior presentation balanced by studies in humanities, communication, mathematics, and sciences. The B.F.A. degree may also serve as a preparation for graduate studies-usually the Master of Fine Arts degree in studio art or design. Admission Art-Undeclared (UART) - All students desiring to major in art will be admitted into Art-Undeclared in the Department of Art at Mississippi State University. Students will declare their concentration following successful passage of the Foundation Portfolio Review in that concentration.	Mission The Department of Art's primary undergraduate responsibilities include educating professional artists with concentrations in Fine Arts, Graphic Design, and Photography; preparing students for a career or advanced study; offering courses that fulfill University requirements; and providing an active art gallery to serve the University, the community, and region. Bachelor of Fine Arts The Bachelor of Fine Arts (B.F.A.) degree is a professional studio degree. The B.F.A. degree is earned after successful completion of an intensive, 4-year program that provides the student with a series of in-depth studio experiences leading to thesis/senior presentation balanced by studies in humanities, communication, mathematics, and sciences. The B.F.A. degree may also serve as a preparation for graduate studies-usually the Master of Fine Arts degree in studio art or design. Admission Art-Undeclared (UART) - All students desiring to major in art will be admitted into Art-Undeclared in the Department of Art at Mississippi State University. Students will declare their concentration following successful passage of the Foundation Portfolio Review in that concentration.
Concentrations In the Bachelor of Fine Arts degree, a student may choose a concentration from the following: Fine Arts, Graphic Design, and Photography. Transfer Requirements As part of the Articulation Agreement between Mississippi Junior and Community Colleges and the state's four-year universities, the following courses will automatically transfer to MSU. A grade of "C" or better is required in each class to be accepted by the Department of Art. • ART 1213 Drawing I • ART 1223 Drawing II • ART 1123 Design I (2-D) • ART 1133 Design II (Color) • ART 1013 Art History I • ART 1023 Art History II • ART 1153 3D Design. Images of articulated studio coursework work should be submitted to https://msuart.submittable.com/submit for	Concentrations In the Bachelor of Fine Arts degree, a student may choose a concentration from the following: Fine Arts, Graphic Design, and Photography. Transfer Requirements As part of the Articulation Agreement between Mississippi Junior and Community Colleges and the state's four-year universities, the following courses will automatically transfer to MSU. A grade of "C" or better is required in each class to be accepted by the Department of Art. • ART 1213 Drawing I • ART 1223 Drawing II • ART 1123 Design I (2-D) • ART 1133 Design II (Color) • ART 1013 Art History I • ART 1023 Art History II • ART 1153 3D Design. Images of articulated studio coursework work should be submitted to https://msuart.submittable.com/submit for

review by the Department of Art Faculty to ensure success in the department's Foundation Portfolio Review. The MSU Department of Art reserves the right to deny or accept transfer courses not covered by the Articulation Agreement as applicable to the B.F.A. degree based on portfolio evaluation. This review requires the submission of artwork completed in studio courses and course descriptions (and in some cases, syllabi) from classes completed for credit at other institutions. Artwork and course information must be uploaded at https://msuart.submittable.com/submit	review by the Department of Art Faculty to ensure success in the department's Foundation Portfolio Review. The MSU Department of Art reserves the right to deny or accept transfer courses not covered by the Articulation Agreement as applicable to the B.F.A. degree based on portfolio evaluation. This review requires the submission of artwork completed in studio courses and course descriptions (and in some cases, syllabi) from classes completed for credit at other institutions. Artwork and course information must be uploaded at https://msuart.submittable.com/submit
Foundation Portfolio Review Requirements All Art majors are required to participate in the Foundation Portfolio Review.	Foundation Portfolio Review Requirements All Art majors are required to participate in the Foundation Portfolio Review.
For students interested in the Fine Arts concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture), the Foundation Portfolio Review will take place in the spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Art. The Foundation Portfolio Review will result in an "accept" or "deny" into the Fine Arts concentration.	For students interested in the Fine Arts concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture), the Foundation Portfolio Review will take place in the spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Art.. The Foundation Portfolio Review will result in an "accept" or "deny" into the Fine Arts concentration.
For students interested in the Photography concentration, the Foundation Portfolio Review will take place in the fall and spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Photography Survey. The Foundation Portfolio Review will result in an "accept" or "deny" into the Photography concentration.	For students interested in the Photography concentration, the Foundation Portfolio Review will take place in the fall and spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Photography Survey. The Foundation Portfolio Review will result in an "accept" or "deny" into the Photography concentration.
For students interested in Graphic Design, the Foundation Portfolio Review for entrance into that concentration will take place in the fall semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Art. The Foundation Portfolio Review will result in an "accept" or "deny" in the Graphic Design concentration.	For students interested in Graphic Design, the Foundation Portfolio Review for entrance into that concentration will take place in the fall semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Art. The Foundation Portfolio Review will result in an "accept" or "deny" in the Graphic Design concentration.
Students accepted (by faculty evaluation) into the Fine Arts, Graphic Design, or Photography concentration may begin the concentration sequence of courses. Students denied may remain in the art program and resubmit a portfolio in the next Review. Students cannot pursue a concentration in which they have been denied twice. They will have to choose another concentration in order to pursue a B.F.A. in Art at Mississippi State.	Students accepted (by faculty evaluation) into the Fine Arts, Graphic Design, or Photography concentration may begin the concentration sequence of courses. Students denied may remain in the art program and resubmit a portfolio in the next Review. Students cannot pursue a concentration in which they have been denied twice. They will have to choose another concentration in order to pursue a B.F.A. in Art at Mississippi State.
Entry into Graphic Design is competitive. Contact the Advising Coordinator for more information.	Entry into Graphic Design is competitive. Contact the Advising Coordinator for more information.
Senior Presentation Requirements	Senior Presentation Requirements

Senior Graphic Design students are required to present a portfolio and present an exhibition. Senior students in the other concentrations are required to present an exhibition as degree requirements. These final presentation requirements are fulfilled in capstone courses; ART 4640 Advanced Studio - Graphic Design for students in the Graphic Design concentration; ART 4083 Senior Research and ART 4093 Senior Thesis for students in the Fine Arts concentration area; and ART 4583 Photographic Portfolio I and ART 4593 Photographic Portfolio II for students in the Photography concentration. Computer and Camera Requirements The Department of Art requires all incoming Art majors to purchase certain technology and equipment necessary for the production and presentation of artwork within departmental courses. All incoming students are required to have a personal laptop computer and required software. The required computer and software must be selected from an approved departmental list of minimum hardware and software requirements available on the Department of Art website. https://www.caad.msstate.edu/current-students/art/materials-fees Financial aid that includes this requirement may be available by contacting the MSU Student Financial Aid and Scholarship office. Additionally, upon enrollment in ART 2103 Photography Survey, students will be required to purchase a digital single-lens reflex (DSLR) camera. The required camera must be selected from an approved departmental list of minimum specifications. The approved list is available on the Department of Art web site. https://www.caad.msstate.edu/current-students/art/materials-fees Student Materials Fee Additional fees associated with class materials, technology and laboratory materials are required of students and are automatically assessed to the students.	Senior Graphic Design students are required to present a portfolio and present an exhibition. Senior students in the other concentrations are required to present an exhibition as degree requirements. These final presentation requirements are fulfilled in capstone courses; ART 4640 Advanced Studio - Graphic Design for students in the Graphic Design concentration; ART 4083 Senior Research and ART 4093 Senior Thesis for students in the Fine Arts concentration area; and ART 4583 Photographic Portfolio I and ART 4593 Photographic Portfolio II for students in the Photography concentration. Computer and Camera Requirements The Department of Art requires all incoming Art majors to purchase certain technology and equipment necessary for the production and presentation of artwork within departmental courses. All incoming students are required to have a personal laptop computer and required software. The required computer and software must be selected from an approved departmental list of minimum hardware and software requirements available on the Department of Art website. https://www.caad.msstate.edu/current-students/art/materials-fees Financial aid that includes this requirement may be available by contacting the MSU Student Financial Aid and Scholarship office. Additionally, upon enrollment in ART 2103 Photography Survey, students will be required to purchase a digital single-lens reflex (DSLR) camera. The required camera must be selected from an approved departmental list of minimum specifications. The approved list is available on the Department of Art web site. https://www.caad.msstate.edu/current-students/art/materials-fees Student Materials Fee Additional fees associated with class materials, technology and laboratory materials are required of students and are automatically assessed to the students.

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
English (Ex: EN 1103 English Comp I): EN 1103 English Comp I or EN 1104 Expanded English Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6	English (Ex: EN 1103 English Comp I): EN 1103 English Comp I or EN 1104 Expanded English Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6
Humanities See General Education courses	6	Humanities See General Education courses	6
Math Math higher than MA1213 – See General Education courses	3	Math Math higher than MA1213 – See General Education courses	3
Fine Arts See Art History and Theory Program	3	Fine Arts See Art History and Theory Program	3
Social Sciences See General Education courses	6	Social Sciences See General Education courses	6
Natural Sciences See General Education courses	6-8	Natural Sciences See General Education courses	6-8

Math/Science Elective See General Education courses	3	Math/Science Elective See General Education courses	3
Fine Arts Concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture)		Fine Arts Concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture)	
Foundation Program		Foundation Program	3
ART 1123 Design I	3	ART 1123 Design I	3
ART 1133 Design II	3	ART 1133 Design II	3
ART 1153 Three-Dimensional Design	3	ART 1153 Three-Dimensional Design	3
ART 1213 Drawing I	3	ART 1213 Drawing I	3
ART 1223 Drawing II	3	ART 1223 Drawing II	3
ART 2803 Introduction to Computing for ART*	3	ART 2803 Introduction to Computing for ART*	
*Fulfills Computer Literacy Requirement		*Fulfills Computer Literacy Requirement	
Survey Program		Survey Program	3
ART 2503 Ceramic Art Survey	3	ART 2503 Ceramic Art Survey	3
ART 2013 Painting Survey	3	ART 2013 Painting Survey	3
ART 2213 Life Drawing I	3	ART 2213 Life Drawing I	3
ART 2303 Printmaking Survey	3	ART 2303 Printmaking Survey	3
ART 2403 Sculpture Survey	3	ART 2403 Sculpture Survey	3
ART 2103 Photography Survey	3	ART 2103 Photography Survey	
Art History and Theory Program		Art History and Theory Program	3
ART 1013 Art History I*	3	ART 1013 Art History I*	3
ART 1023 Art History II*	3	ART 1023 Art History II*	
* Fulfills Fine Arts General Education Requirement		* Fulfills Fine Arts General Education Requirement	9
Art History Electives	9	Art History Electives	
Fine Arts Concentration Program* *Upon successful completion of the Foundation Portfolio Review for the Fine Arts concentration, students proceed into the concentration sequence of courses.		Fine Arts Concentration Program* *Upon successful completion of the Foundation Portfolio Review for the Fine Arts concentration, students proceed into the concentration sequence of courses.	
Intermediate Studio Requirement		Intermediate Studio Requirement	
3 hours chosen from the list below:		3 hours chosen from the list below:	3
ART 2233 Drawing III	3	ART 2233 Drawing III	
ART 3523 3D Seminar		ART 3523 3D Seminar	
Intermediate Studio Electives		Intermediate Studio Electives	
See advisor for list of approved electives		See advisor for list of approved electives	3
Advance Studio Electives	3	Advance Studio Electives	
See advisor for list of approved electives		See advisor for list of approved electives	12
Advance Studio Requirements	12	Advance Studio Requirements	
ART 4620 Advanced Studio – Fine Arts*		ART 4620 Advanced Studio – Fine Arts*	6
*To be taken in conjunction with ART 4083 Senior Research and ART 4093 Senior Thesis, typically in the final two semesters of coursework)	6	*To be taken in conjunction with ART 4083 Senior Research and ART 4093 Senior Thesis, typically in the final two semesters of coursework)	
Capstone Courses		Capstone Courses	
ART 4083 Senior Research*		ART 4083 Senior Research*	6
ART 4093 Senior Thesis*	6	ART 4093 Senior Thesis*	
* Senior Capstone experience, co-requisite with 6 hours of ART 4620 Advanced Studio - Fine Arts.		* Senior Capstone experience, co-requisite with 6 hours of ART 4620 Advanced Studio - Fine Arts.	
Electives	9	Electives	9

Art Studio Electives choose 6 hours General Elective choose 3 hours		Art Studio Electives choose 6 hours General Elective choose 3 hours	
Graphic Design Concentration		Graphic Design Concentration	
Foundation Program* - *The Foundation Portfolio Review is required after successful completion of the Foundation Program.	3 3	Foundation Program* - *The Foundation Portfolio Review is required after successful completion of the Foundation Program.	3 3
ART 1123 Design I	3	ART 1123 Design I	3
ART 1133 Design II	3	ART 1133 Design II	3
ART 1153 Three-Dimensional Design	3	ART 1153 Three-Dimensional Design	3
ART 1213 Drawing I ART 1223 Drawing II	3	ART 1213 Drawing I ART 1223 Drawing II	3
ART 2803 Introduction to Computing for ART* * Fulfills Computer Literacy Requirement	3	ART 2803 Introduction to Computing for ART* *Fulfills Computer Literacy Requirement	3
CO 1003 Fundamentals of Public Speaking	12	CO 1003 Fundamentals of Public Speaking	12
Survey Program Choose four of the following courses: ART 2013 Painting Survey ART 2213 Life Drawing I ART 2303 Printmaking Survey ART 2403 Sculpture Survey ART 2103 Photography Survey ART 2503 Ceramic Art Survey		Survey Program Choose four of the following courses: ART 2013 Painting Survey ART 2213 Life Drawing I ART 2303 Printmaking Survey ART 2403 Sculpture Survey ART 2103 Photography Survey ART 2503 Ceramic Art Survey	
Art History and Theory Program		Art History and Theory Program	
ART 1013 Art History I*	3	ART 1013 Art History I*	3
ART 1023 Art History II*	3	ART 1023 Art History II*	3
ART 3163 History of Graphic Design * Fulfills Fine Arts General Education Requirement	3	ART 3163 History of Graphic Design * Fulfills Fine Arts General Education Requirement	3
Art History Electives	6	Art History Electives	6
Concentration Core		Concentration Core	
ART 2813 Intermediate Computing for Designers	3	ART 2813 Intermediate Computing for Designers	3
ART 3313 Graphic Art Design I	3	ART 3313 Graphic Art Design I	3
ART 3323 Graphic Art Design II	3	ART 3323 Graphic Art Design II	3
ART 4103 The Art of Typography and Layout I	3	ART 4103 The Art of Typography and Layout I	3
ART 4403 Advertising Design I	3	ART 4403 Advertising Design I	3
ART 4640 Advanced Studio-Graphic Design	3	ART 4640 Advanced Studio-Graphic Design	3
ART 4883 Graphic Design for the Internet	3	ART 4883 Graphic Design for the Internet	3
Concentration Electives Must be selected from list or with consent of Concentration Coordinator ART 3443 Illustration ART 3873 Digital Photography ART 3913 Introduction to Print Production ART 4113 The Art of Typography and Layout II ART 4523 Internship in Graphic Art Design ART 4713 Advanced Print Production ART 4813 Introduction of Multimedia I Design and Authoring ART 4863 Advanced Studio – Computer Art and Design	12	Concentration Electives Must be selected from list or with consent of Concentration Coordinator ART 3443 Illustration ART 3873 Digital Photography ART 3913 Introduction to Print Production ART 4113 The Art of Typography and Layout II ART 4523 Internship in Graphic Art Design ART 4713 Advanced Print Production ART 4813 Introduction of Multimedia I Design and Authoring ART 4863 Advanced Studio – Computer Art and Design	12
Electives Art Studio Electives choose 6 hours General Elective choose 3 hours	9	Electives Art Studio Electives choose 6 hours General Elective choose 3 hours	9

Photography Concentration		Photography Concentration	
Foundation Program		Foundation Program	
ART 1123 Design I	3	ART 1123 Design I	3
ART 1133 Design II	3	ART 1133 Design II	3
ART 1153 Three-Dimensional Design	3	ART 1153 Three-Dimensional Design	3
ART 1213 Drawing I	3	ART 1213 Drawing I	3
ART 1223 Drawing II	3	ART 1223 Drawing II	3
CO 1003 Fundamentals of Public Speaking	3	CO 1003 Fundamentals of Public Speaking	3
Survey Program		Survey Program	
ART 2103 Photography Survey	3	ART 2103 Photography Survey	3
ART 2303 Printmaking Survey	3	ART 2303 Printmaking Survey	3
Choose two of the following: ART 2013 Painting Survey ART 2213 Life Drawing I ART 2403 Sculpture Survey ART 2503 Ceramic Art Survey	6	Choose two of the following: ART 2013 Painting Survey ART 2213 Life Drawing I ART 2403 Sculpture Survey ART 2503 Ceramic Art Survey	6
Art History and Theory Program		Art History and Theory Program	
ART 1013 Art History I	3	ART 1013 Art History I	3
ART 1023 Art History II	3	ART 1023 Art History II	3
ART 3633 History of Photography (or approved photo/film based art history course)	3	ART 3633 History of Photography (or approved photo/film based art history course)	3
ART History Electives	6	ART History Electives	6
Concentration Core		Concentration Core	
ART 3223 Darkroom Basics	3	ART 3223 Darkroom Basics	3
ART 3233 Studio Lighting	3	ART 3233 Studio Lighting	3
ART 3873 Digital Photography	3	ART 3873 Digital Photography	3
ART 4223 Alternative Photography or ART 4443 Alternative Color	3	ART 4223 Alternative Photography or ART 4443 Alternative Color	3
ART 4583 Photographic Portfolio I	3	ART 4583 Photographic Portfolio I	3
ART 4593 Photographic Portfolio II	3	ART 4593 Photographic Portfolio II	3
Concentration Electives Must be selected from list or with consent of Concentration Coordinator ART 3243 Intermediate Darkroom ART 3303 Printmaking II ART 3803 Gallery Management ART 4223 Alternative Photography ART 4443 Alternative Color ART 4660 Advanced Studio – Photography ART 4693 Internship in Fine Art ART 4873 Digital Imaging CO 3713 Digital Communication	12	Concentration Electives Must be selected from list or with consent of Concentration Coordinator ART 3243 Intermediate Darkroom ART 3303 Printmaking II ART 3803 Gallery Management ART 4223 Alternative Photography ART 4443 Alternative Color ART 4660 Advanced Studio – Photography ART 4693 Internship in Fine Art ART 4873 Digital Imaging CO 3713 Digital Communication	12
Art Studio Electives	15	Art Studio Electives	15
Total Hours	120	Total Hours	120
Art Minor The Department of Art offers a minor in Art. The minor consists of 18 credit hours of courses with an ART prefix. One or more 1000-level courses and one 2000-level course must be completed in addition to at least three 3000- or 4000-level courses. For an Art minor, a student may take all		Art Minor The Department of Art offers a minor in Art. The minor consists of 18 credit hours of courses with an ART prefix. One or more 1000-level courses and one 2000-level course must be completed in addition to at least three 3000- or 4000-level courses. For an Art minor, a student	

Art studio courses or a combination of Studio and Art History. Art History Minor A minor in Art History consists of 18 credit hours. A student must take ART 1013 Art History I ART 1023 Art History II Choose four of the following: ART 3143 Italian Renaissance Art History ART 3603 Directed Writings in Modern Art History ART 3613 Art and Film ART 3623 Art in France: 1850-1900 ART 3653 Roman Baroque Art ART 3663 Medieval Stained Glass ART 3673 The Gothic Cathedral ART 3683 The History of Art and Religion ART 4573 Critical Issues in Recent Art Other approved Art History courses	 3 3 12	may take all Art studio courses or a combination of Studio and Art History. Art History Minor A minor in Art History consists of 18 credit hours. A student must take ART 1013 Art History I ART 1023 Art History II Choose four of the following: ART 3143 Italian Renaissance Art History ART 3603 Directed Writings in Modern Art History ART 3613 Art and Film ART 3623 Art in France: 1850-1900 ART 3653 Roman Baroque Art ART 3663 Medieval Stained Glass ART 3673 The Gothic Cathedral ART 3683 The History of Art and Religion ART 4573 Critical Issues in Recent Art Other approved Art History courses	 3 3 12
Total Hours	18	Total Hours	18
		Graphic Design Minor **The Department of Art offers a minor in Graphic Design (GDM). This minor consists of 18 credit hours. The required courses are Art 2803 Digital Design I or Art 2813 Digital Design II and ART 3313 Graphic Design I. The remaining credits are chosen from an approved list of graphic design electives. Students may take all studio courses or a combination of studio electives and History of Graphic Design. Art majors are allowed to pursue Art minors in areas outside of their concentration.** **Required Courses:** **ART 2803 Digital Design I or ART 2813 Digital Design II** **ART 3313 Graphic Design I** **Electives:** **Choose four approved Graphic Design courses (contact department for approved list)**	 **3** **3** **12**
		Total Hours	**18**
Accreditation Mississippi State University is an accredited institutional member of the National Association of Schools of Art and Design.		Accreditation Mississippi State University is an accredited institutional member of the National Association of Schools of Art and Design.	

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 & D **Department:** Art

Contact Person: Suzanne Powney **Mail Stop:** 9368 **E-mail:** jsp114@msstate.edu

Nature of Change: New Program **Date Initiated:** 12.17.2024

Current Degree (BS, MS, etc.): BFA

Current Major: ART

Current Concentration(s): Fine Art, Graphic Design, Photo

Current Campus(es): ☑ Starkville ☐ Meridian ☐ Distance ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.): Minor

Effective Date:

Semester Fall **Year** 2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major:

Proposed Concentration(s): Photography

Proposed Campus(es)

☑ Starkville
☐ Meridian
☐ Distance
☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering or

Summary of Proposed Changes:

The Department of Art is adding a Photography minor to its existing Fine Art and Art History minors to serve students who want a targeted minor to enhance their majors in other similar areas. A photography minor is a valuable addition to degrees in Graphic Design, Marketing, Communications, and Architecture, among others

Approved:	Date:
Department Head	1-15-25
Director of Academic Quality	1/27/25
Alexis Gregory Digitally signed by Alexis Gregory Date: 2025.01.30 11:33:11 -06'00' Chair, College or School Curriculum Committee	
Dominic Lippillo Digitally signed by Dominic Lippillo Date: 2025.02.03 10:04:53 -06'00' Dean of College or School	
Digitally signed by Andy D. Perkins Date: 2025.03.13 14:29:32 -05'00' Chair, University Committee on Courses and Curricula	
Chair, Graduate Council (if applicable)	
Peter Liam Ryan Chair, Deans Council	March 26th, 2025

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☐ Notification to SACSCOC
- ☐ No significant departure

OIRE Representative Initials _____

PROPOSAL FOR ADDING A MINOR IN PHOTOGRAPHY (PM)

1.CATALOG DESCRIPTION

The Department of Art offers a minor in Photography (PM). A minor in Photography consists of 18 credit hours. ART 1123 Design 1, ART 2103 Photography Survey, and four approved elective courses. For a Photography Minor, a student may take all Studio courses or a combination of Studio and Art History. Students must have no less than nine (9) hours of photography concentration courses beyond ART 2103 to receive a minor in photography. Art majors are allowed to pursue Art minors in areas outside of their concentration.

A. Required Course:

- ART 1123 Design 1 — 3 credit hours
- ART 2103 Photography Survey. — 3 credit hours

B. Students will select twelve (12) credit hours / Four (4) courses in the Photography Concentration from an approved list. Students must have no less than nine (9) hours of photography concentration courses beyond ART 2103 to receive a minor in photography. Only one of the art histories on the approved list can count toward the photography minor.

- Choose four approved, upper-level Photography courses (contact department for approved list)[9 hours photography studio courses plus 3 hours photography concentration or art history course.]

2. CURRICULUM OUTLINE

The Photography Area Coordinator will oversee the Photography Minor's (PM) administration and report on the minor's progress to the Head of the Department of Art. The minor is open to students in good standing and enrolled at the university.

Required Courses	Hours
ART 1123 Design 1	3
ART 2103 Photography Survey	3
Approved Elective Courses	**Hours**
ART 2063 Global Contemporary Art *	3
ART 2904 Introduction to Film *	3
ART 3223 Darkroom Basics	3
ART 3233 Studio Lighting	3
ART 3243 Intermediate Darkroom	3
ART 3253 Photogram	3
ART 3263 Scanography	3
ART 3613 Art and Film *	3
ART 3633 History of Photography *	3
ART 4043 History of Digital Art *	3
ART 4073 Visualizing Resistance *	3
ART 4223 Alternative Photography	3
ART 4443 Alternative Color	3

ART 4660 Advance Photography	3
ART4683 Photography Internship	3
ART 4873 Digital Imaging	3
ART 4893 Video Art	3
Total Required Hours for Minor	**18**
*only one art history can count towards a photography minor	

3. COURSE DESCRIPTIONS FOR REQUIRED COURSES

ART 1213 Design 1 - Six hours studio. A basic study of the fundamental elements and principles of design with an emphasis on composition.

ART 2103 Photography Survey (Prerequisites: ART 1123 or Permission of Instructor): This two-hour lecture and two-hour studio course will cover the fundamentals and aesthetics of photography in relation to graphic design and the fine arts.

Electives: Students can select courses related to their area of specialization and submit for approval by the PM coordinator. Course approvals will be granted during the scheduled University advising period.

4. JUSTIFICATION FOR PHOTOGRAPHY MINOR

The student demand for a minor in photography has grown every year. With the development of digital cameras and accessibility smartphones, photography is a minor that many students wish to explore. It provides a creative outlet for all students across campus to take courses once limited by having to be in the photography concentration.

5. STUDENT LEARNING OUTCOMES AND ASSESSMENT

The minor will introduce the student to digital and analog approaches in the photographic field. At the conclusion of the minor in photography, the student will have a portfolio that will demonstrate knowledge of different processes and a foundation for creating a larger body of work in the future.

- Students will demonstrate an understanding of the history of photography by identifying key photographers and their styles.
- Students will compile a portfolio demonstrating growth and mastery of the medium.
- Students will critically evaluate photography in the context of Fine Arts by identifying its formal, conceptual, and historical aspects.
- Students will produce imagery that reflects a comprehensive understanding of composition, design principles, and photographic theory.

6.EFFECTIVE DATE: Fall 2025

7.CONTACTS:

Marita Gootee, Professor and Photography Coordinator
mgootee@caad.msstate.edu
Department of Art
Mail Stop 9683
102 Freeman Hall
MsState, MS 39762

8. LETTER OF SUPORT: Please see the attached letter of support from the Department of Art.

MISSISSIPPI STATE UNIVERSITY

College of Architecture Art + Design
Department of Art

P.O. Box 5182
415 Barr Avenue
Mississippi State, MS 39762

P. 662.325.2970
F. 662.325.3850
www.caad.msstate.edu

November 22nd, 2024

RE: ART Graphic Design Minor & ART Photography Minor

On Friday, November 22nd, 2024, a quorum of the Department of Art faculty voted to approve the creation of minors in Graphic Design and Photography. The following faculty members have endorsed the submission of these minors to the UCCC for further consideration.

Sincerely,

Critz Campbell
Department Head

Printed Name	Signature
AUDREY POHL	
CASSIE L. HESTER	
KeumTaek Jung	
Rowan Hawng	
BENJAMIN HARVEY	
Aaron Mottet	
Tim McCourt	
Jingshuo Yang	
JOE MORZUCH	
MARITA GOOTEE	
Dixie Boswell	
CAROLINE HATFIELD	
Josh Cook	
Robert Lang	
Rowan Hawng	

DEGREE MODIFICATION OUTLINE FORM

Use the chart below to make modifications to an existing undergraduate 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 in both columns. Expand this table as needed.

CURRENT Degree Description	PROPOSED Degree Description
Degree: BFA *Major: Art* *Concentration: Fine Art, Graphic Design, Photography*	**Degree: Minor - Photography**
Mission The Department of Art's primary undergraduate responsibilities include educating professional artists with concentrations in Fine Arts, Graphic Design, and Photography; preparing students for a career or advanced study; offering courses that fulfill University requirements; and providing an active art gallery to serve the University, the community, and region. Bachelor of Fine Arts The Bachelor of Fine Arts (B.F.A.) degree is a professional studio degree. The B.F.A. degree is earned after successful completion of an intensive, 4-year program that provides the student with a series of in-depth studio experiences leading to thesis/senior presentation balanced by studies in humanities, communication, mathematics, and sciences. The B.F.A. degree may also serve as a preparation for graduate studies-usually the Master of Fine Arts degree in studio art or design. Admission Art-Undeclared (UART) - All students desiring to major in art will be admitted into Art-Undeclared in the Department of Art at Mississippi State University. Students will declare their concentration following successful passage of the Foundation Portfolio Review in that concentration.	Mission The Department of Art's primary undergraduate responsibilities include educating professional artists with concentrations in Fine Arts, Graphic Design, and Photography; preparing students for a career or advanced study; offering courses that fulfill University requirements; and providing an active art gallery to serve the University, the community, and region. Bachelor of Fine Arts The Bachelor of Fine Arts (B.F.A.) degree is a professional studio degree. The B.F.A. degree is earned after successful completion of an intensive, 4-year program that provides the student with a series of in-depth studio experiences leading to thesis/senior presentation balanced by studies in humanities, communication, mathematics, and sciences. The B.F.A. degree may also serve as a preparation for graduate studies-usually the Master of Fine Arts degree in studio art or design. Admission Art-Undeclared (UART) - All students desiring to major in art will be admitted into Art-Undeclared in the Department of Art at Mississippi State University. Students will declare their concentration following successful passage of the Foundation Portfolio Review in that concentration.
Concentrations In the Bachelor of Fine Arts degree, a student may choose a concentration from the following: Fine Arts, Graphic Design, and Photography. Transfer Requirements As part of the Articulation Agreement between Mississippi Junior and Community Colleges and the state's four-year universities, the following courses will automatically transfer to MSU. A grade of "C" or better is required in each class to be accepted by the Department of Art. • ART 1213 Drawing I • ART 1223 Drawing II • ART 1123 Design I (2-D) • ART 1133 Design II (Color) • ART 1013 Art History I • ART 1023 Art History II • ART 1153 3D Design. Images of articulated studio coursework work should be submitted to https://msuart.submittable.com/submit for	Concentrations In the Bachelor of Fine Arts degree, a student may choose a concentration from the following: Fine Arts, Graphic Design, and Photography. Transfer Requirements As part of the Articulation Agreement between Mississippi Junior and Community Colleges and the state's four-year universities, the following courses will automatically transfer to MSU. A grade of "C" or better is required in each class to be accepted by the Department of Art. • ART 1213 Drawing I • ART 1223 Drawing II • ART 1123 Design I (2-D) • ART 1133 Design II (Color) • ART 1013 Art History I • ART 1023 Art History II • ART 1153 3D Design. Images of articulated studio coursework work should be submitted to https://msuart.submittable.com/submit for

review by the Department of Art Faculty to ensure success in the department's Foundation Portfolio Review. The MSU Department of Art reserves the right to deny or accept transfer courses not covered by the Articulation Agreement as applicable to the B.F.A. degree based on portfolio evaluation. This review requires the submission of artwork completed in studio courses and course descriptions (and in some cases, syllabi) from classes completed for credit at other institutions. Artwork and course information must be uploaded at https://msuart.submittable.com/submit Foundation Portfolio Review Requirements All Art majors are required to participate in the Foundation Portfolio Review. For students interested in the Fine Arts concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture), the Foundation Portfolio Review will take place in the spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Art. The Foundation Portfolio Review will result in an "accept" or "deny" into the Fine Arts concentration. For students interested in the Photography concentration, the Foundation Portfolio Review will take place in the fall and spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Photography Survey. The Foundation Portfolio Review will result in an "accept" or "deny" into the Photography concentration. For students interested in Graphic Design, the Foundation Portfolio Review for entrance into that concentration will take place in the fall semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Art. The Foundation Portfolio Review will result in an "accept" or "deny" in the Graphic Design concentration. Students accepted (by faculty evaluation) into the Fine Arts, Graphic Design, or Photography concentration may begin the concentration sequence of courses. Students denied may remain in the art program and resubmit a portfolio in the next Review. Students cannot pursue a concentration in which they have been denied twice. They will have to choose another concentration in order to pursue a B.F.A. in Art at Mississippi State. Entry into Graphic Design is competitive. Contact the Advising Coordinator for more information.	review by the Department of Art Faculty to ensure success in the department's Foundation Portfolio Review. The MSU Department of Art reserves the right to deny or accept transfer courses not covered by the Articulation Agreement as applicable to the B.F.A. degree based on portfolio evaluation. This review requires the submission of artwork completed in studio courses and course descriptions (and in some cases, syllabi) from classes completed for credit at other institutions. Artwork and course information must be uploaded at https://msuart.submittable.com/submit Foundation Portfolio Review Requirements All Art majors are required to participate in the Foundation Portfolio Review. For students interested in the Fine Arts concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture), the Foundation Portfolio Review will take place in the spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Art.. The Foundation Portfolio Review will result in an "accept" or "deny" into the Fine Arts concentration. For students interested in the Photography concentration, the Foundation Portfolio Review will take place in the fall and spring semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Photography Survey. The Foundation Portfolio Review will result in an "accept" or "deny" into the Photography concentration. For students interested in Graphic Design, the Foundation Portfolio Review for entrance into that concentration will take place in the fall semester of each year. The review is a faculty evaluation of student work from a minimum of 18 credit hours completed in the following courses: Drawing I, Drawing II, Design I, Design II, 3-D Design, and Introduction to Computing for Art. The Foundation Portfolio Review will result in an "accept" or "deny" in the Graphic Design concentration. Students accepted (by faculty evaluation) into the Fine Arts, Graphic Design, or Photography concentration may begin the concentration sequence of courses. Students denied may remain in the art program and resubmit a portfolio in the next Review. Students cannot pursue a concentration in which they have been denied twice. They will have to choose another concentration in order to pursue a B.F.A. in Art at Mississippi State. Entry into Graphic Design is competitive. Contact the Advising Coordinator for more information.

Senior Presentation Requirements Senior Graphic Design students are required to present a portfolio and present an exhibition. Senior students in the other concentrations are required to present an exhibition as degree requirements. These final presentation requirements are fulfilled in capstone courses; ART 4640 Advanced Studio - Graphic Design for students in the Graphic Design concentration; ART 4083 Senior Research and ART 4093 Senior Thesis for students in the Fine Arts concentration area; and ART 4583 Photographic Portfolio I and ART 4593 Photographic Portfolio II for students in the Photography concentration. Computer and Camera Requirements The Department of Art requires all incoming Art majors to purchase certain technology and equipment necessary for the production and presentation of artwork within departmental courses. All incoming students are required to have a personal laptop computer and required software. The required computer and software must be selected from an approved departmental list of minimum hardware and software requirements available on the Department of Art website. https://www.caad.msstate.edu/current-students/art/materials-fees Financial aid that includes this requirement may be available by contacting the MSU Student Financial Aid and Scholarship office. Additionally, upon enrollment in ART 2103 Photography Survey, students will be required to purchase a digital single-lens reflex (DSLR) camera. The required camera must be selected from an approved departmental list of minimum specifications. The approved list is available on the Department of Art web site. https://www.caad.msstate.edu/current-students/art/materials-fees Student Materials Fee Additional fees associated with class materials, technology and laboratory materials are required of students and are automatically assessed to the students.	Senior Presentation Requirements Senior Graphic Design students are required to present a portfolio and present an exhibition. Senior students in the other concentrations are required to present an exhibition as degree requirements. These final presentation requirements are fulfilled in capstone courses; ART 4640 Advanced Studio - Graphic Design for students in the Graphic Design concentration; ART 4083 Senior Research and ART 4093 Senior Thesis for students in the Fine Arts concentration area; and ART 4583 Photographic Portfolio I and ART 4593 Photographic Portfolio II for students in the Photography concentration. Computer and Camera Requirements The Department of Art requires all incoming Art majors to purchase certain technology and equipment necessary for the production and presentation of artwork within departmental courses. All incoming students are required to have a personal laptop computer and required software. The required computer and software must be selected from an approved departmental list of minimum hardware and software requirements available on the Department of Art website. https://www.caad.msstate.edu/current-students/art/materials-fees Financial aid that includes this requirement may be available by contacting the MSU Student Financial Aid and Scholarship office. Additionally, upon enrollment in ART 2103 Photography Survey, students will be required to purchase a digital single-lens reflex (DSLR) camera. The required camera must be selected from an approved departmental list of minimum specifications. The approved list is available on the Department of Art web site. https://www.caad.msstate.edu/current-students/art/materials-fees Student Materials Fee Additional fees associated with class materials, technology and laboratory materials are required of students and are automatically assessed to the students.

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
English (Ex: EN 1103 English Comp I): EN 1103 English Comp I or EN 1104 Expanded English Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6	English (Ex: EN 1103 English Comp I): EN 1103 English Comp I or EN 1104 Expanded English Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6
Humanities See General Education courses	6	Humanities See General Education courses	6
Math Math higher than MA1213 – See General Education courses	3	Math Math higher than MA1213 – See General Education courses	3
Fine Arts See Art History and Theory Program	3	Fine Arts See Art History and Theory Program	3
Social Sciences See General Education courses	6	Social Sciences See General Education courses	6

Natural Sciences See General Education courses	6-8	Natural Sciences See General Education courses	6-8
Math/Science Elective See General Education courses	3	Math/Science Elective See General Education courses	3
Fine Arts Concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture)		Fine Arts Concentration (Ceramics, Drawing, Painting, Printmaking, and Sculpture)	
Foundation Program		Foundation Program	3
ART 1123 Design I	3	ART 1123 Design I	3
ART 1133 Design II	3	ART 1133 Design II	3
ART 1153 Three-Dimensional Design	3	ART 1153 Three-Dimensional Design	3
ART 1213 Drawing I	3	ART 1213 Drawing I	3
ART 1223 Drawing II	3	ART 1223 Drawing II	3
ART 2803 Introduction to Computing for ART*	3	ART 2803 Introduction to Computing for ART*	
*Fulfills Computer Literacy Requirement		*Fulfills Computer Literacy Requirement	
Survey Program		Survey Program	3
ART 2503 Ceramic Art Survey	3	ART 2503 Ceramic Art Survey	3
ART 2013 Painting Survey	3	ART 2013 Painting Survey	3
ART 2213 Life Drawing I	3	ART 2213 Life Drawing I	3
ART 2303 Printmaking Survey	3	ART 2303 Printmaking Survey	3
ART 2403 Sculpture Survey	3	ART 2403 Sculpture Survey	3
ART 2103 Photography Survey	3	ART 2103 Photography Survey	
Art History and Theory Program		Art History and Theory Program	3
ART 1013 Art History I*	3	ART 1013 Art History I*	3
ART 1023 Art History II*	3	ART 1023 Art History II*	
* Fulfills Fine Arts General Education Requirement		* Fulfills Fine Arts General Education Requirement	9
Art History Electives	9	Art History Electives	
Fine Arts Concentration Program*		Fine Arts Concentration Program*	
*Upon successful completion of the Foundation Portfolio Review for the Fine Arts concentration, students proceed into the concentration sequence of courses.		*Upon successful completion of the Foundation Portfolio Review for the Fine Arts concentration, students proceed into the concentration sequence of courses.	
Intermediate Studio Requirement		Intermediate Studio Requirement	
3 hours chosen from the list below:		3 hours chosen from the list below:	3
ART 2233 Drawing III	3	ART 2233 Drawing III	
ART 3523 3D Seminar		ART 3523 3D Seminar	
Intermediate Studio Electives		Intermediate Studio Electives	
See advisor for list of approved electives		See advisor for list of approved electives	3
Advance Studio Electives	3	Advance Studio Electives	
See advisor for list of approved electives		See advisor for list of approved electives	12
Advance Studio Requirements	12	Advance Studio Requirements	
ART 4620 Advanced Studio – Fine Arts*		ART 4620 Advanced Studio – Fine Arts*	6
*To be taken in conjunction with ART 4083 Senior Research and ART 4093 Senior Thesis, typically in the final two semesters of coursework)	6	*To be taken in conjunction with ART 4083 Senior Research and ART 4093 Senior Thesis, typically in the final two semesters of coursework)	
Capstone Courses		Capstone Courses	
ART 4083 Senior Research*		ART 4083 Senior Research*	6
ART 4093 Senior Thesis*	6	ART 4093 Senior Thesis*	
* Senior Capstone experience, co-requisite with 6 hours of ART 4620 Advanced Studio - Fine Arts.		* Senior Capstone experience, co-requisite with 6 hours of ART 4620 Advanced Studio - Fine Arts.	

Electives		Electives	
Art Studio Electives choose 6 hours		Art Studio Electives choose 6 hours	
General Elective choose 3 hours	9	General Elective choose 3 hours	9
Graphic Design Concentration		Graphic Design Concentration	
Foundation Program* - *The Foundation Portfolio Review is required after successful completion of the Foundation Program.		Foundation Program* - *The Foundation Portfolio Review is required after successful completion of the Foundation Program.	
ART 1123 Design I	3	ART 1123 Design I	3
ART 1133 Design II	3	ART 1133 Design II	3
ART 1153 Three-Dimensional Design	3	ART 1153 Three-Dimensional Design	3
ART 1213 Drawing I	3	ART 1213 Drawing I	3
ART 1223 Drawing II	3	ART 1223 Drawing II	3
ART 2803 Introduction to Computing for ART*	3	ART 2803 Introduction to Computing for ART*	3
* Fulfills Computer Literacy Requirement		*Fulfills Computer Literacy Requirement	
CO 1003 Fundamentals of Public Speaking	3	CO 1003 Fundamentals of Public Speaking	3
Survey Program		Survey Program	
Choose four of the following courses:	12	Choose four of the following courses:	12
ART 2013 Painting Survey		ART 2013 Painting Survey	
ART 2213 Life Drawing I		ART 2213 Life Drawing I	
ART 2303 Printmaking Survey		ART 2303 Printmaking Survey	
ART 2403 Sculpture Survey		ART 2403 Sculpture Survey	
ART 2103 Photography Survey		ART 2103 Photography Survey	
ART 2503 Ceramic Art Survey		ART 2503 Ceramic Art Survey	
Art History and Theory Program		Art History and Theory Program	
ART 1013 Art History I*		ART 1013 Art History I*	
ART 1023 Art History II*		ART 1023 Art History II*	
ART 3163 History of Graphic Design	3	ART 3163 History of Graphic Design	3
* Fulfills Fine Arts General Education	3	* Fulfills Fine Arts General Education	3
Requirement	3	Requirement	3
Art History Electives		Art History Electives	
Concentration Core	6	Concentration Core	6
ART 2813 Intermediate Computing for Designers		ART 2813 Intermediate Computing for Designers	
ART 3313 Graphic Art Design I	3	ART 3313 Graphic Art Design I	3
ART 3323 Graphic Art Design II		ART 3323 Graphic Art Design II	
ART 4103 The Art of Typography and Layout I	3	ART 4103 The Art of Typography and Layout I	3
ART 4403 Advertising Design I	3	ART 4403 Advertising Design I	3
ART 4640 Advanced Studio-Graphic Design	3	ART 4640 Advanced Studio-Graphic Design	3
ART 4883 Graphic Design for the Internet	3	ART 4883 Graphic Design for the Internet	3
	3		3
Concentration Electives	3	Concentration Electives	3
Must be selected from list or with consent of Concentration Coordinator		Must be selected from list or with consent of Concentration Coordinator	
ART 3443 Illustration	12	ART 3443 Illustration	12
ART 3873 Digital Photography		ART 3873 Digital Photography	
ART 3913 Introduction to Print Production		ART 3913 Introduction to Print Production	
ART 4113 The Art of Typography and Layout II		ART 4113 The Art of Typography and Layout II	
ART 4523 Internship in Graphic Art Design		ART 4523 Internship in Graphic Art Design	
ART 4713 Advanced Print Production		ART 4713 Advanced Print Production	
ART 4813 Introduction of Multimedia I Design and Authoring		ART 4813 Introduction of Multimedia I Design and Authoring	
ART 4863 Advanced Studio – Computer Art and Design		ART 4863 Advanced Studio – Computer Art and Design	
Electives		Electives	

Art Studio Electives choose 6 hours General Elective choose 3 hours	9	Art Studio Electives choose 6 hours General Elective choose 3 hours	9
Photography Concentration		Photography Concentration	
Foundation Program	3	Foundation Program	3
ART 1123 Design I	3	ART 1123 Design I	3
ART 1133 Design II	3	ART 1133 Design II	3
ART 1153 Three-Dimensional Design	3	ART 1153 Three-Dimensional Design	3
ART 1213 Drawing I	3	ART 1213 Drawing I	3
ART 1223 Drawing II	3	ART 1223 Drawing II	3
CO 1003 Fundamentals of Public Speaking		CO 1003 Fundamentals of Public Speaking	
Survey Program		Survey Program	
ART 2103 Photography Survey	3	ART 2103 Photography Survey	3
ART 2303 Printmaking Survey	3	ART 2303 Printmaking Survey	3
Choose two of the following: ART 2013 Painting Survey ART 2213 Life Drawing I ART 2403 Sculpture Survey ART 2503 Ceramic Art Survey	6	Choose two of the following: ART 2013 Painting Survey ART 2213 Life Drawing I ART 2403 Sculpture Survey ART 2503 Ceramic Art Survey	6
Art History and Theory Program		Art History and Theory Program	
ART 1013 Art History I	3	ART 1013 Art History I	3
ART 1023 Art History II	3	ART 1023 Art History II	3
ART 3633 History of Photography (or approved photo/film based art history course)	3	ART 3633 History of Photography (or approved photo/film based art history course)	3
ART History Electives	6	ART History Electives	6
Concentration Core		Concentration Core	
ART 3223 Darkroom Basics	3	ART 3223 Darkroom Basics	3
ART 3233 Studio Lighting	3	ART 3233 Studio Lighting	3
ART 3873 Digital Photography	3	ART 3873 Digital Photography	3
ART 4223 Alternative Photography or ART 4443 Alternative Color	3	ART 4223 Alternative Photography or ART 4443 Alternative Color	3
ART 4583 Photographic Portfolio I	3	ART 4583 Photographic Portfolio I	3
ART 4593 Photographic Portfolio II	3	ART 4593 Photographic Portfolio II	3
Concentration Electives Must be selected from list or with consent of Concentration Coordinator ART 3243 Intermediate Darkroom ART 3303 Printmaking II ART 3803 Gallery Management ART 4223 Alternative Photography ART 4443 Alternative Color ART 4660 Advanced Studio – Photography ART 4693 Internship in Fine Art ART 4873 Digital Imaging CO 3713 Digital Communication	12	Concentration Electives Must be selected from list or with consent of Concentration Coordinator ART 3243 Intermediate Darkroom ART 3303 Printmaking II ART 3803 Gallery Management ART 4223 Alternative Photography ART 4443 Alternative Color ART 4660 Advanced Studio – Photography ART 4693 Internship in Fine Art ART 4873 Digital Imaging CO 3713 Digital Communication	12
Art Studio Electives	15	Art Studio Electives	15
Total Hours	120	Total Hours	120
Art Minor The Department of Art offers a minor in Art. The minor consists of 18 credit hours of courses with an ART prefix. One or more 1000-level courses and one 2000-level course must be completed in addition to at least three 3000- or 4000-level		Art Minor The Department of Art offers a minor in Art. The minor consists of 18 credit hours of courses with an ART prefix. One or more 1000-level courses and one 2000-level course must be completed in addition to at least three 3000- or	

courses. For an Art minor, a student may take all Art studio courses or a combination of Studio and Art History. Art History Minor A minor in Art History consists of 18 credit hours. A student must take ART 1013 Art History I ART 1023 Art History II Choose four of the following: ART 3143 Italian Renaissance Art History ART 3603 Directed Writings in Modern Art History ART 3613 Art and Film ART 3623 Art in France: 1850-1900 ART 3653 Roman Baroque Art ART 3663 Medieval Stained Glass ART 3673 The Gothic Cathedral ART 3683 The History of Art and Religion ART 4573 Critical Issues in Recent Art Other approved Art History courses	 3 3 12	4000-level courses. For an Art minor, a student may take all Art studio courses or a combination of Studio and Art History. Art History Minor A minor in Art History consists of 18 credit hours. A student must take ART 1013 Art History I ART 1023 Art History II Choose four of the following: ART 3143 Italian Renaissance Art History ART 3603 Directed Writings in Modern Art History ART 3613 Art and Film ART 3623 Art in France: 1850-1900 ART 3653 Roman Baroque Art ART 3663 Medieval Stained Glass ART 3673 The Gothic Cathedral ART 3683 The History of Art and Religion ART 4573 Critical Issues in Recent Art Other approved Art History courses	 3 3 12
Total Hours	18	Total Hours	18
Accreditation Mississippi State University is an accredited institutional member of the National Association of Schools of Art and Design.		**Photography Minor** **The Department of Art offers a minor in Photography (PM). A minor in Photography consists of 18 credit hours. ART 1213 Design 1, ART 2103 Photography Survey, and four approved elective courses. For a Photography Minor, a student may take all Studio courses or a combination of Studio and Art History. Students must have no less than nine (9) hours of photography courses beyond ART 2103 to receive a minor in photography. Art majors are allowed to pursue Art minors in areas outside of their concentration area.** **Required Courses:** **ART 1123 Design I** **ART 2103 Photography Survey** **Electives:** **Choose four approved, upper-level Photography courses (contact department for approved list)** **Total Hours** Accreditation Mississippi State University is an accredited institutional member of the National Association of Schools of Art and Design.	 **3** **3** **12** **18**

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 Arts & Sciences **Department:** English

Contact Person: Ginger Pizer **Mail Stop:** 9518 **E-mail:** gbp31@msstate.edu

Nature of Change: Modification **Date Initiated:** 11/6/24

Current Degree (BS, MS, etc.): Minor

Current Major: English

Current Concentration(s):

Current Campus(es): ☑ **Starkville** ☐ **Meridian** ☐ **Distance** ☐ **Gulf Coast***

*Gulf Coast campus for Bagley College of Engineering onl

New Degree (BS, MS, etc.):

Effective Date:

Semester	**Year**
Fall	2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major:

Proposed Concentration(s):

Proposed Campus(es)

- ☑ Starkville
- ☐ Meridian
- ☐ Distance
- ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering c

Summary of Proposed Changes:

The requirements of the English minor are being changed to streamline the prevention of excessive duplication with the other minors housed in the English department. Students whose coursework satisfies the requirements of any other minor housed in the English department must complete 12 additional hours of English classes in order to earn the English minor as well.

Approved:	Date:
Department Head	12/10/2024
Director of Academic Quality	12/10/2024
Chair, College or School Curriculum Committee	1/25/25
Dean of College or School	2/3/25
Chair, University Committee on Courses and Curricula (Digitally signed by Andy D. Perkins Date: 2025.03.13 14:29:51 -05'00')	
Chair, Graduate Council (if applicable)	
Chair, Deans Council	March 26th, 2025

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☐ Notification to SACSCOC
- ☒ No significant departure

OIRE Representative Initials

CURRENT Degree Description	PROPOSED Degree Description
Degree: Minor in English	Degree: Minor in English
The study of English not only gives students knowledge of language and literature but also helps to develop their ability to read perceptively, think critically, analyze problems, and write correctly and persuasively. For this reason, studying English has traditionally been viewed as good training for careers in law, government, business, and publishing, as well as for careers in teaching and writing. English minors take at least 18 hours of English electives with a grade of C or better beyond completion of the freshman composition requirement of their major. Of these hours, at least six must be at the 4000 level; these must be completed in residence. *No more than six hours may be linguistics classes, i.e., classes which count toward the linguistics minor. No more than two classes may be classes which count toward the minor in Film Studies. Students who are earning the Creative Writing minor must complete 12 hours of English classes in addition to the requirements for that minor* in order to earn the English minor as well. Students pursuing the English minor should consult the English major advisor to plan a minor program which will complement their major studies and career interests.	The study of English not only gives students knowledge of language and literature but also helps to develop their ability to read perceptively, think critically, analyze problems, and write correctly and persuasively. For this reason, studying English has traditionally been viewed as good training for careers in law, government, business, and publishing, as well as for careers in teaching and writing. English minors take at least 18 hours of English electives with a grade of C or better beyond completion of the freshman composition requirement of their major. Of these hours, at least six must be at the 4000 level; these **six hours** must be completed in residence. **Students whose coursework satisfies the requirements of any other minor housed in the English department must complete 12 additional hours of English classes** in order to earn the English minor as well. Students pursuing the English minor should consult the English major advisor to plan a minor program which will complement their major studies and career interests.

CURRENT CURRICULUM OUTLINE	Required Hours
EN courses at the 2000-3000 level	0-12
EN courses at the 4000 level	6-18
Total Hours	18

PROPOSED CURRICULUM OUTLINE	Required Hours
EN courses at the 2000-3000 level	0-12
EN courses at the 4000 level	6-18
Total Hours	18

Justification

The requirements of the English minor are being changed to streamline the prevention of excessive duplication with the other minors housed in the English department, which are currently Creative Writing, Film, Linguistics, and TESOL. The curricula for all of these minors include many courses listed in English that could therefore also count toward the English minor. The restrictions currently in effect are slightly different between the different minors and cause unnecessary complication; the TESOL minor (previously certificate) was not previously included. With the proposed restriction, students are welcome to count courses from across the department toward their English minors but are also prevented from earning multiple minors using the same set of classes.

Letters of Support

Please see the letter from the Department of English attached.

4-Letter Abbreviation: ENGL

CIP Code: 23.01

Effective Date: Fall 2025

MISSISSIPPI STATE UNIVERSITY™
DEPARTMENT OF ENGLISH

TO: **Andy Perkins**
Chair, University Committee on Courses and Curricula

FROM: **Megan Smith**
Chair, Department of English Curriculum Committee

RE: **Program Change for the Minor in English**

DATE: **December 4, 2024**

The English Department Curriculum Committee voted on November 13, 2024 to approve the revisions to the English minor to clarify that courses that satisfy the English minor are separate from courses that satisfy requirements for other minors that are housed in the department. The English department faculty voted to approve these changes on December 4, 2024.

Signed,

Megan Smith, Chair

Emily Stinson

Ginger Pizer

Shalyn Claggett

Dhanashree Thorat

Andrea Spain

Saddiq Dzukogi

Peter De Gabriele

Ashleigh Murdock

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 Arts & Sciences **Department:** Philosophy and Religion

Contact Person: Manuel Rodeiro **Mail Stop:** 9577 **E-mail:** mr2482@msstate.edu

Nature of Change: Modification **Date Initiated:** 10/17/24

Current Degree (BS, MS, etc.): Minor in Environmental Justice

Current Major:

Current Concentration(s):

Current Campus(es): ☑ **Starkville** ☐ **Meridian** ☐ **Distance** ☐ **Gulf Coast***

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.): No change

Effective Date:

Semester	**Year**
Fall	2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major:

Proposed Concentration(s):

Proposed Campus(es)

☑ Starkville
☐ Meridian
☐ Distance
☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering only

Summary of Proposed Changes:

Adding AN/SO 4173 to the Justice Electives options and correcting grammatical errors in the catalog description.

Approved:	Date:
Department Head	12/3/2024
Director of Academic Quality	12/10/24
Chair, College or School Curriculum Committee	1/25/25
Dean of College or School	2/3/24
Chair, University Committee on Courses and Curricula (Digitally signed by Andy D. Perkins Date: 2025.03.13 14:30:08 -05'00')	
Chair, Graduate Council (if applicable)	
Chair, Deans Council	March 26th 2025

FOR OIRE USE ONLY

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- ☐ Notification to SACSCOC
- ☒ No significant departure

OIRE Representative Initials

PROPOSAL FOR MODIFICATION OF MINOR ENVIRONMENTAL JUSTICE

1. CATALOG DESCRIPTION

The Minor in Environmental Justice explores the causes and consequences of inequitable distributions of environmental benefits and hazards. It investigates the ethical, political, economic, legal, and sociological aspects of environmental issues, as well as provides students with sufficient natural science background to understand and explain human impacts on the natural world. Our course of study aims to give students an interdisciplinary perspective on the environmental and the social in tandem and how to redress environmental harms meaningfully, effectively, and fairly.

Administration:
The program of the Minor in Environmental Justice will be administered by the Department of Philosophy and Religion (PHI). The Environmental Justice Committee consisting of professors with research backgrounds or expertise on Environmental Justice will oversee the program's structure and performance in collaboration with PHI. Other participating departments and programs include Anthropology, History, Political Science, Geography, Biology, and Chemistry.

Admission to the Minor:
The Minor in Environmental Justice is open to all undergraduate students in good standing who are currently enrolled at the university.

2. CURRICULUM OUTLINE

CURRENT Degree Description	PROPOSED Degree Description
Degree: Minor in Environmental Justice	Degree: Minor in Environmental Justice
The Minor in Environmental Justice provides students with a minor course of study that explores the causes and consequences of inequitable distributions of environmental benefits and hazards. *The minor focuses on the ethical, political, economic, legal, and sociological aspects of environmental issues. As well as provide students with sufficient natural science background to grasp the consequences of human impact on the natural world.* Our course of study aims to give students a unique interdisciplinary perspective that addresses both the environmental and the social in tandem and investigates how to redress environmental harms meaningfully, effectively, and fairly. A grade of C or higher is required in each course. Courses that are cross-listed in more than one department may be taken under any cross-listing.	The Minor in Environmental Justice provides students with a minor course of study that explores the causes and consequences of inequitable distributions of environmental benefits and hazards. **The minor focuses on the ethical, political, economic, legal, and sociological aspects of environmental issues and provides students with sufficient natural science background to grasp the consequences of human impact on the natural world.** Our course of study aims to give students a unique interdisciplinary perspective that addresses both the environmental and the social in tandem and investigates how to redress environmental harms meaningfully, effectively, and fairly. A grade of C or higher is required in each course. Courses that are cross-listed in more than one department may be taken under any cross-listing.

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
Required Course: PHI 3313 Environmental Ethics	3	Required Course: PHI 3313 Environmental Ethics	3
Justice Electives: GG 4543 Community Engagement in Environmental Geosciences GR 4133 Political Ecology: Space, Nature,	9	Justice Electives: **AN/SO 4173 Environment and Society** GG 4543 Community Engagement in Environmental Geosciences	9

and Justice HI 3183 World Environmental History HI 4193 U.S. Environmental History PHI 3173 Social and Political Philosophy PS 4743 Environmental Policy		GR 4133 Political Ecology: Space, Nature, and Justice HI 3183 World Environmental History HI 4193 U.S. Environmental History PHI 3173 Social and Political Philosophy PS 4743 Environmental Policy	
Ecological Studies Electives: BIO 3104 Ecology BIO 4233 Living with Global Change BIO 4993 Community Ecology CH 4303 Environmental Chemistry I ENS 2101 Introduction to Environmental Science Laboratory ENS 2103 Introduction to Environmental Science GR 1703 Introduction to Climate and Climate Change GR 3113 Conservation of Natural Resources GR 4813 Natural Hazards and Processes	6	Ecological Studies Electives: BIO 3104 Ecology BIO 4233 Living with Global Change BIO 4993 Community Ecology CH 4303 Environmental Chemistry I ENS 2101 Introduction to Environmental Science Laboratory ENS 2103 Introduction to Environmental Science GR 1703 Introduction to Climate and Climate Change GR 3113 Conservation of Natural Resources GR 4813 Natural Hazards and Processes	6
Total Hours	18	Total Hours	18

3. JUSTIFICATION AND LEARNING OUTCOMES

Justification
AN/SO 4173 Environment-Society explores the dynamic relationship between human society and the natural environment, emphasizing the social dimensions of environmental issues. This course is particularly beneficial for students pursuing a minor in Environmental Justice, as it provides in-depth perspectives on the causes, impacts, and societal responses to environmental challenges, equipping students with a nuanced understanding of these complex interactions.

Learning outcomes **There are no changes to the learning outcomes as originally proposed.*
Students who satisfy all requirements for the Minor will:

- Learn causes and consequences of inequitable distributions of environmental benefits and hazards
- Develop critical thinking, problem-solving, and the methodological approaches of the social sciences, natural sciences, and humanities for confronting environmental problems
- Understand and evaluate the local, regional, and global scale of environmental problems
- Reflect on their roles, responsibilities, and identities as citizens, consumers, and environmental actors in our complex and interconnected world
- Develop a broad understanding of the historical and contemporary factors that shape the emergence of Environmental Justice movements around the world
- Examine how and why unfair environmental detriments are authorized and permitted around the world
- Prepare students for work in fields relating to sustainability, environmental planning, environmental law, and environmental policy.

4. SUPPORT
Please see the attached letters of support.

5. PROPOSED 4-LETTER ABBREVIATION
ENVJ

6. EFFECTIVE DATE
Fall 2025

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES
ANTHROPOLOGY AND MIDDLE EASTERN CULTURES

P.O. Box AR
340 Lee Blvd., Room 204 Cobb Bldg.
Mississippi State, MS 39762

P. 662.325.2013
F. 662.325.8690
www.amec.msstate.edu

February 13, 2024

Members of the UCCC:

The Department of Anthropology and Middle Eastern Cultures supports the new Environmental Justice Minor in College of Arts and Sciences, proposed by Dr. Manuel Rodeiro. Members of the Department of Anthropology and Middle Eastern Cultures's Curriculum Committee and I have reviewed the proposal and support the utilization of our courses in this project. We understand that the minor in Environmental Justice may include our courses, and we support the use of our courses in this effort. If you require further information please feel free to contact me.

Sincerely,

James W. Hardin, PhD
Interim Head/Professor, Anthropology and Middle Eastern Cultures
Director, Cobb Institute of Archaeology
P.O. Box AR
Mississippi State, MS 39762
Office: (662) 325-3826
Fax: (662)325-8690
e-mail: jwh1@msstate.edu

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES

Department of Sociology
P.O. Box C
456 Hardy Road/207 Bowen Hall
Mississippi State, MS 39762
P. 662.325.2495
F. 662.325.4564
www.sociology.msstate.edu

November 1, 2024

Dear University Committee on Courses and Curriculum,

On behalf of the Department of Sociology, please accept this letter of support for including SO 4173: Environment and Society as an elective within the Environmental Justice Minor. We believe that this course's curriculum provides a valuable contribution to students pursuing this minor by deepening their understanding of the intersection between environmental issues and social justice.

During our faculty meeting on Friday, November 1st, the Department of Sociology faculty voted to endorse this addition. We are confident that this change will enrich students' academic experience and will not conflict with other course offerings within our program.

If you have any questions or require further information, please feel free to contact Dr. Ashley Vancil-Leap, Chair of the Undergraduate Curriculum and Policies Committee, at your convenience.

Sincerely,

Department of Sociology, Criminology and Social Work
Undergraduate Curriculum and Policies Committee

Ashley Vancil-Leap (Chair)

Raymond Barranco

Robert Boyd

Dana Dillard

Margaret Ralston

MISSISSIPPI STATE UNIVERSITY

College of Arts & Sciences
Dean's Office

P.O. Drawer AS
175 President Circle, 208 Allen Hall
Mississippi State, MS 39762

P. 662.325.1665
F. 662.325.8740
www.cas.msstate.edu

November 4, 2024

Members of the UCCC:

The Department of Philosophy and Religion supports the adding AN/SO 4173 Environment and Society as an elective to the Environmental Justice Minor in College of Arts and Sciences.

Sincerely,

Dr. Robert Thompson
Department Head

APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

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College Arts & Sciences **Department:** Sociology

Contact Person: Rachel Allison **Mail Stop:** 9562 **E-mail:** rallison@soc.msstate.edu

Nature of Change: Modification **Date Initiated:** 1/6/2025

Current Degree (BS, MS, etc.): PhD

Current Major: Sociology

Current Concentration(s):

Current Campus(es): ☑ Starkville ☐ Meridian ☐ Distance ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering onl

New Degree (BS, MS, etc.): PhD

Effective Date:

Semester	Year
Fall	2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major: Sociology

Proposed Concentration(s):

Proposed Campus(es)

- ☑ Starkville
- ☐ Meridian
- ☐ Distance
- ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering c

Summary of Proposed Changes:

We combined 2 areas of specialization and added 3 hours to area of specialization. We updated our Academic Catalog description to reflect an eliminated exam. We reduced the total number of degree hours from 70 to 68 to reflect the reduction of 2 courses from 4 to 3 credit hours (completed in 2023-2024). We removed 1 required methods course (SO 8223) and added a requirement to take either of 2 other methods courses (SO 8283 or SO 8533).

Approved:	Date:
Nicole Rader Department Head	01/06/2025
Director of Academic Quality	1/7/2025
Chair, College or School Curriculum Committee	1/25/25
Dean of College or School	2/3/25
Digitally signed by Andy D. Perkins Date: 2025.03.13 14:30:24 -05'00' Chair, University Committee on Courses and Curricula	
Russell Carr Digitally signed by Russell Carr Date: 2025.04.10 18:45:39 -05'00' Chair, Graduate Council (if applicable)	
Chair, Deans Council	March 26th, 2025

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☐ Notification to SACSCOC
- ☐ No significant departure

OIRE Representative Initials _____

GRADUATE DEGREE MODIFICATION OUTLINE FORM

Use the chart below to make modifications to an existing Graduate Degree. All deleted courses and information should be shown in *italics* and all new courses and information in **bold**. Please include the course prefix, number, and title in both columns. Expand rows as needed.

CURRENT Degree Description	PROPOSED Degree Description
Degree: PhD Major: Sociology Concentrations:	Degree: PhD Major: Sociology Concentrations:
This department has graduate programs leading to the Master of Science and Doctor of Philosophy degrees in Sociology. **Admission Criteria** To apply to either degree program, the applicant must submit the following: 1. A completed application packet for graduate study at MSU 2. Official transcripts from previous institutions 3. A GPA of 3.00 on the last two years of baccalaureate work 4. An academic writing sample in English (a sample of the student's choice) 5. Three letters of recommendation (from people who are familiar the student's academic abilities and potential) 6. A statement of purpose (explaining why the student wishes to study Sociology at MSU and how the program at MSU will assist the student in attaining goals). **Master of Science** Continuous enrollment in the M.S. program in Sociology is dependent upon a satisfactory evaluation of academic performance and progress toward completion of the degree. Unsatisfactory performance will result in dismissal from the program. A student's performance is deemed unsatisfactory if one or more of the following occurs: • More than two letter grades below a B in a student's graduate coursework • Failure to maintain a cumulative 3.00 GPA for two consecutive semesters • More than one unsatisfactory U grade for thesis research • Two failures on the M.S. exit examination • Two failures on the M.S. thesis defense Upon the completion of coursework for a student's program of study, a student must defend a thesis proposal. Once the thesis proposal is accepted by the student's thesis committee, the student may proceed to carry out the thesis research in close consultation with his or her thesis committee. The student must pass a public defense of the thesis. **Doctor of Philosophy** Continuous enrollment in the Ph.D. program in	This department has graduate programs leading to the Master of Science and Doctor of Philosophy degrees in Sociology. **Admission Criteria** To apply to either degree program, the applicant must submit the following: 1. A completed application packet for graduate study at MSU 2. Official transcripts from previous institutions 3. A GPA of 3.00 on the last two years of baccalaureate work 4. An academic writing sample in English (a sample of the student's choice) 5. Three letters of recommendation (from people who are familiar the student's academic abilities and potential) 6. A statement of purpose (explaining why the student wishes to study Sociology at MSU and how the program at MSU will assist the student in attaining goals). **Master of Science** Continuous enrollment in the M.S. program in Sociology is dependent upon a satisfactory evaluation of academic performance and progress toward completion of the degree. Unsatisfactory performance will result in dismissal from the program. A student's performance is deemed unsatisfactory if one or more of the following occurs: • More than two letter grades below a B in a student's graduate coursework • Failure to maintain a cumulative 3.00 GPA for two consecutive semesters • More than one unsatisfactory U grade for thesis research • Two failures on the M.S. exit examination • Two failures on the M.S. thesis defense Upon the completion of coursework for a student's program of study, a student must defend a thesis proposal. Once the thesis proposal is accepted by the student's thesis committee, the student may proceed to carry out the thesis research in close consultation with his or her thesis committee. The student must pass a public defense of the thesis. **Doctor of Philosophy** Continuous enrollment in the Ph.D. program in Sociology

Sociology is dependent upon a satisfactory evaluation of academic performance and progress toward completion of the degree. Unsatisfactory performance will result in dismissal from the program. A student's performance is deemed unsatisfactory if one or more of the following occurs: • More than two letter grades below a B in a student's graduate coursework • Failure to maintain a cumulative 3.00 GPA for two consecutive semesters • More than one unsatisfactory U grade for dissertation research • Two failures on the Preliminary Examination Upon the completion of coursework for a student's program of study, a student must defend a dissertation proposal. Once the dissertation proposal is accepted by the student's dissertation committee, the student may proceed to carry out the dissertation research in close consultation with his or her committee. The student must pass a public defense of the dissertation.	is dependent upon a satisfactory evaluation of academic performance and progress toward completion of the degree. Unsatisfactory performance will result in dismissal from the program. A student's performance is deemed unsatisfactory if one or more of the following occurs: • More than two letter grades below a B in a student's graduate coursework • Failure to maintain a cumulative 3.00 GPA for two consecutive semesters • More than one unsatisfactory U grade for dissertation research • Two failures on the Preliminary Examination Upon the completion of coursework for a student's program of study, a student must defend a dissertation proposal. Once the dissertation proposal is accepted by the student's dissertation committee, the student may proceed to carry out the dissertation research in close consultation with his or her committee. The student must pass a public defense of the dissertation.

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses		College Required Courses	
Sociological Tools[1]		Sociological Tools[1]	
SO 8213 Research Design[1]	3	SO 8213 Research Design[1]	3
SO 8103 Graduate Theory I[1]	3	SO 8103 Graduate Theory I[1]	3
SO 8113 Graduate Theory II[1]	3	SO 8113 Graduate Theory II[1]	3
SO 8274 Graduate Statistics I	*4*	SO 8233 Qualitative Analysis	3
SO 8284 Graduate Statistics II	*4*	**SO 8273 Graduate Statistics I**	**3**
SO 8233 Qualitative Analysis	3	**SO 8283 Graduate Statistics II or SO 8533Advanced Qualitative Methods**	**3**
SO 8223 Quantitative Analysis	*3*		
Area of Specialization Coursework	15	Area of Specialization Coursework	**18**
Electives	12	Electives	12
SO 9000 Research Hours	20	SO 9000 Research Hours	20
Total Hours	*70*	Total Hours	**68**
[1] *After completing the seven courses, a Ph.D. student is required to pass a Ph.D. qualifying examination in the areas of theory, methods, and statistics. The student typically takes the qualifying exam during the third or fourth semester of study.* After completing all coursework, the student takes a comprehensive preliminary examination in the area of specialization. Areas of specialization include the following: 1. Criminology		After completing all coursework, the student takes a comprehensive preliminary examination in the area of specialization. Areas of specialization include the following: 1. Criminology **2. Communities, Environment, and Health** 3. Social Inequality and Stratification. After the completion of coursework for a student's program of study and the Ph.D. preliminary examination, a student is	

2. *Rural Sociology* 3. *Social Demography and Population Studies* 4. Social Inequality and Stratification. After the completion of coursework for a student's program of study, *the successful completion of the Ph.D. qualifying examination,* and the Ph.D. preliminary examination, a student is admitted into doctoral candidacy. A doctoral candidate must defend a dissertation proposal. Once the dissertation proposal is accepted by the student's dissertation committee, the candidate may proceed to conduct dissertation research in close consultation with his or her dissertation committee. After the dissertation committee unanimously agrees that the dissertation is defensible, the candidate must pass a public defense of the dissertation. NOTE: Thesis and dissertation research are subject to review and approval by the University's Institutional Review Board (IRB).		admitted into doctoral candidacy. A doctoral candidate must defend a dissertation proposal. Once the dissertation proposal is accepted by the student's dissertation committee, the candidate may proceed to conduct dissertation research in close consultation with his or her dissertation committee. After the dissertation committee unanimously agrees that the dissertation is defensible, the candidate must pass a public defense of the dissertation. NOTE: Thesis and dissertation research are subject to review and approval by the University's Institutional Review Board (IRB).	

Sociology PhD Program Modification

Description and Justification

This program modification makes five changes to the PhD in Sociology. First, we are combining two previous areas of specialization into one. Previous areas of Rural Sociology and Social Demography and Population Studies will now be Communities, Environment, and Health. We are making this change to better reflect current faculty expertise and graduate student interest, to align our concentration areas with trends in the discipline, and to clearly communicate our program expertise to the public.

Second, we are reducing the total number of required course hours for the degree from 70 to 68. This change reflects the modification of two statistics courses from 4 to 3 credit hours during the 2023-2024 academic year. We eliminated the lab component of what were SO 8274: Graduate Statistics I and SO 8284: Graduate Statistics II. This change came about following discussions between faculty teaching these classes and the Graduate Curriculum Committee and was supported by a vote of the Sociology faculty. This change took place because the lab component was no longer deemed necessary or helpful to the courses by faculty or graduate students, in large part due to students' current ability to access STATA statistics software off-campus on their personal computers.

Third, we are eliminating one methods course (SO 8223: Quantitative Analysis) from our list of required courses and replacing it with a requirement that students take either SO 8283: Graduate Statistics II or SO 8533: Advanced Qualitative Methods. SO 8533: Advanced Qualitative Methods is a new course that was approved by UCCC in the 2023-2024 academic year. The intent of this change is to bring greater balance in our methods training between quantitative and qualitative methods. While previously students were required to take 1 qualitative and 3 quantitative courses, they will now take 1 of each type of course and then 1 additional of their choosing (either qualitative or quantitative). This change better serves students who pursue dissertation projects using qualitative methods and does not preclude any student from taking additional methods courses as electives.

Fourth, we are adding 3 hours to area of specialization.

Fifth, we are amending our Academic Catalog listing to remove mention of a qualifying examination. The Sociology faculty voted to eliminate this exam requirement in the 2021-2022 academic year and PhD students no longer take this exam.

The program does not enroll distance students. Students benefit from these changes by having program areas of specialization that reflect faculty expertise, their own interests, and trends in the discipline. They also benefit from the replacement of the in-class lab with the ability to work on their statistics assignments from home on their own time. They benefit from an updated and accurate Academic Catalog listing. Finally, students benefit from having greater flexibility and freedom to choose methods course offerings that align with their intended dissertation project. These changes strengthen our program by bringing our concentration areas more in line with disciplinary trends, by advertising our current areas of faculty expertise, by enabling students to

use the software access they have through ITS, and by offering greater balance between training in quantitative and qualitative methods.

Student Learning Outcomes

1. Social science research methodology and statistics - PhD students will demonstrate proficiency in basic social science research methodology and statistics.

Assessment Measures:

PhD students enrolled in SO 8233 (Qualitative Analysis) will complete a final writing assignment indicating understanding of qualitative research methodology.

PhD students enrolled in SO 8284 (Graduate Social Statistics II) will complete a final statistical project demonstrating understanding of the applications and assumptions of the regression model.

2. Sociological theory - PhD students will demonstrate proficiency in the area of sociological theory.

Assessment Measures:

PhD students enrolled in SO 8113 (Graduate Social Theory II) will complete a final writing assignment demonstrating knowledge of contemporary social theory.

PhD students will defend their dissertation, indicating a mastery of the research process from beginning to end. Their performance will be rated as pass/fail based on a majority vote by the dissertation committee.

3. Sub-field knowledge - PhD students will demonstrate a mastery of knowledge of a subfield within sociology.

Assessment Measure:

PhD students will complete their Doctoral Preliminary Examination in a chosen subfield of sociology, indicating a mastery of the major theoretical frameworks in their area of specialization and their ability to construct an argument using those frameworks. The exam will be graded as pass-fail based on a majority vote by the examining committee. A passing exam will demonstrate depth of understanding, synthesis of assigned material, critical thinking, and independent scholarship.

4. PhD students will be readily prepared for employment in sociology or related fields.

Assessment Measures:

PhD students will complete the Graduate Exit Survey during their final semester.

PhD students will obtain discipline-related jobs. Records will be maintained in the sociology department.

Additional Questions

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

Yes, this program modification will meet local, state, regional and national educational and cultural needs by offering enhanced training in qualitative research methods and by training students in concentration areas that reflect trends in the discipline.

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

No, this program modification will not result in duplication in the System.

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

This program modification may advance student diversity within the discipline by offering students greater choice in pursuing training in quantitative and/or qualitative methods. Specifically, enhancing course offerings in qualitative methods may attract new students to our program who may not have previously considered applying or enrolling.

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.

This program modification may result in the increased placement of graduates in MS, the Southeast, and the U.S. by enhancing training opportunities in research methods and by enabling students to select graduate concentration areas that more closely align with areas of the discipline in which jobs are more often available.

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.

This program modification may result in an increase in the potential salaries of graduates in MS, the Southeast, and the US by training students in ways that enhance their competitiveness for jobs that pay higher salaries.

SUPPORT:

The modification has the support of the Department of Sociology. Please see the attached letter of support.

EFFECTIVE DATE: Fall 2025

CIP NUMBER: 45.1101

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES
Department of Sociology

Bowen Hall
456 Hardy Road
Mississippi State, MS 39762

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F. 662.325.4564
www.sociology.msstate.edu

January 6, 2025

Dear University Committee on Courses and Curricula,

I write in my capacity as the Graduate Coordinator and chair of the Graduate Policies and Curriculum Committee in the Department of Sociology. The committee submits a proposal for modification to the Sociology PhD program.

This program modification collapses two previous areas of specialization into one, adds 3 hours to area of specialization, reduces the total number of required course hours in the degree from 70 to 68 in line with the elimination of 1-hour labs in two graduate statistics courses, updates the program's Academic Catalog listing to reflect the faculty's elimination of the qualifying exam, and removes a requirement of SO 8223: Quantitative Analysis and replaces it with the requirement of either SO 8283: Graduate Statistics II or SO 8533: Advanced Qualitative Methods.

The proposed modification to this program has been approved by a vote of the Graduate Policies and Curriculum Committee and by a vote of the entire Sociology faculty, including Department Head Dr. Nicole Rader.

If there is any additional information that you require, please let me know. Thank you for your review.

Sincerely,

Rachel Allison

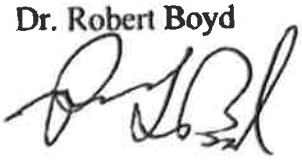
Dr. Rachel Allison
Associate Professor and Graduate Coordinator
Chair, Graduate Policies and Curriculum Committee
Department of Sociology
Mississippi State University

Graduate Curriculum Committee Members:

MISSISSIPPI STATE

COLLEGE OF ARTS & SCIENCES
Department of Sociology

Dr. Robert Boyd



Dr. Tara Sutton

Dr. Diego Thompson

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 Arts & Sciences **Department:** Geosciences

Contact Person: John Rodgers **Mail Stop:** 9537 **E-mail:** jcr100@msstate.edu

Nature of Change: New Program **Date Initiated:** October 9, 2024

Current Degree (BS, MS, etc.): _____

Current Major: _____

Current Concentration(s): _____

Current Campus(es): ☐ **Starkville** ☐ **Meridian** ☐ **Distance** ☐ **Gulf Coast***

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.): BAS

Effective Date:

Semester	**Year**
Fall	2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major: Weather and Environmental Science

Proposed Concentration(s): _____

Proposed Campus(es)

- ☐ Starkville
- ☐ Meridian
- ☑ Distance
- ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering o

Summary of Proposed Changes:

The proposed online Bachelor of Applied Science degree in Weather and Environmental Sci focuses on the application of weather and environmental geosciences towards military operations. The degree will transfer weather courses taught at military institutions, such as Keesler Air Force Base, and apply these towards the undergraduate BAS degree. The curriculum consists of A&S core, Geosciences courses, military weather courses.

Approved:	Date:
John Rodgers, Professor and Head — Digitally signed by John Rodgers, Professor and Head Date: 2024.10.09 10:29:38 -05'00'	10/09/2024
Department Head	
Director of Academic Quality	12/10/2024
Chair, College or School Curriculum Committee	12/9/2024
Dean of College or School	12/10/24
Digitally signed by Andy D. Perkins Date: 2025.03.13 14:30:45 -05'00'	
Chair, University Committee on Courses and Curricula	
Chair, Graduate Council (if applicable)	
Chair, Deans Council	March 26th, 2025

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☐ Notification to SACSCOC
- ☐ No significant departure

OIRE Representative Initials _____

NEW DEGREE 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. Expand rows as needed.

PROPOSED New Degree	
Degree: Bachelor of Applied Science **Major:** Weather and Environmental Sciences	
The Bachelor of Applied Science in Weather and Environmental Sciences major integrates military academic credits in the areas of weather and environmental science, pertinent military experiences, and weather and environmental courses from Mississippi State University to deliver a comprehensive education in weather forecasting, climate analysis, and human-environmental interactions. Graduates will be well-equipped for positions in military weather operations, possessing the essential skills and knowledge to offer crucial meteorological and climatological support for military planning and operations.	
Proposed Curriculum Outline	**Required Hours**
English: EN 1103 English Composition I or EN 1104 Expanded English Composition I EN 1113 English Composition II or EN 1173 Accelerated Composition II	 3 3
Fine Arts: A&S Core	 3
Natural Sciences: • GR 1133/GR 1131 Weather and Climate, Weather and Climate Laboratory • A&S Core	 4 4
Quantitative Reasoning: A&S core	 3
Humanities: History – A&S core Literature – A&S core	 3 3
Social/Behavioral Sciences: GR 1123 Introduction to World Geography A&S core – cannot be GR	 3 3
Foreign Language: Foreign Language I Foreign Language II	 3 3
Oral Communication: A&S Core	 3
Jr/Sr Writing : GG 4333 Geowriting	 3
Major Core Courses: PCS 4112 Professional Success Strategies in Applied Fields • **Human- Environmental Interactions** o GG 3603 Introduction to Oceanography o GG 3613 Water Resources	 2 3 3

PROPOSED New Degree	
Degree: Bachelor of Applied Science **Major:** Weather and Environmental Sciences	
○ GR 3113 Conservation of Natural Resources ○ GR 4813 Natural Hazards • **Advanced Weather Forecasting** ○ GR 4443 Weather Prediction 1 ○ GR 4453 Weather Prediction 2 ○ GR 4913 Thermodynamic Meteorology ○ GR 4923 Severe Weather • **Climatology** ○ GR 4613 Applied Climatology • **Geosciences Elective** ○ Any GR or GG course 3000-level or higher	**3** **3** **3** **3** **3** **3** **3** **3**
Technical Courses in the Discipline: Technical and/or military courses transferred from either a military institution or community colleges. Transferred courses should prepare students for the following: • **Meteorological Data Analysis:** demonstrate proficiency in collecting, analyzing, and interpreting meteorological data using specialized instrumentation, software, and forecasting techniques relevant to military operations. • **Communication of Weather Information:** will apply their knowledge to assess and communicate weather-related risks and opportunities for mission planning, including understanding the implications of weather conditions on military equipment, logistics, troop movements, aviation operations, tactical strategies, and safety protocols. • **Operational Support:** will provide operational support by effectively communicating weather-related information to military personnel, enabling informed decision-making during various military activities, exercises, and missions. • **Adherence to Military Standards:** will adhere to military protocols, ethics, and security measures while handling and disseminating meteorological information, ensuring compliance with classified data handling and operational security requirements. • **Specific courses, choose 45 hours from the following (from Community College of Air Force, Weather Forecast Apprentice Curriculum, Keesler Air Force Base)**	**45**
Total Hours	**121**

JUSTIFICATION

The proposed Bachelor of Applied Science (BAS) in Weather and Environmental Sciences will create a unique pathway for military personnel to integrate their academic credits in weather and environmental science, relevant military experiences, and specialized coursework from Keesler Air Force Base to Mississippi State University. This degree will focus on areas such as weather forecasting, climate analysis, and human-environment interactions, equipping graduates with essential skills for roles in military weather operations and future careers in the civilian workforce after serving.

Keesler Air Force Base in Biloxi, MS, serves as a key hub for military weather training, aligning closely with the meteorology programs offered by MSU's Department of Geosciences. This proposal envisions a clear pathway for airmen to transfer their weather training from Keesler AFB into an undergraduate degree at MSU. Establishing this degree will foster a strategic partnership between the military and our academic institution, benefiting both parties significantly.

From MSU's perspective, this initiative will increase enrollment in online meteorology courses and reinforce our status as a military-friendly institution. For the military, it will offer airmen the opportunity to attain an

undergraduate degree that supports both their career progression within the armed forces and their transition to civilian roles upon leaving the military. Strengthening the relationship between Keesler AFB and MSU also aligns with the state government's objective of enhancing ties between the military and the state of Mississippi.

Importantly, this BAS degree aligns with the career progression for airmen aspiring to the rank of "Weather and Environmental Science Officer" in the Air Force. By establishing a program specifically tailored to airmen in weather and environmental sciences, MSU's College of Arts & Sciences will address a crucial need within the military while preparing graduates for impactful, in-demand careers in the broader civilian workforce. This proposal is not just about creating an academic pathway—it is a commitment to support the military community and contribute to their professional growth and success.

JUSTIFICATION FOR CAMPUS 5 OFFERING:

This Bachelor of Applied Science (BAS) degree is well-suited to be offered entirely online, particularly as it is designed to accommodate active-duty military personnel who may not have the ability to attend classes on the Starkville campus. The Department of Geosciences has extensive experience in delivering high-quality online education. Since the 1990s, we have successfully offered online programs, including two Master of Science degrees and one Bachelor of Science degree. This longstanding commitment to online education has provided us with the knowledge and expertise necessary to effectively deliver engaging and rigorous academic content in a virtual format.

Additionally, all the department courses listed in the BAS curriculum have already been approved and are currently being taught online by Geosciences. This ensures a smooth transition to the full online offering of the program, with established course structures and proven success in online instruction. Our experience and infrastructure make us well-prepared to meet the needs of military students and other non-traditional learners, ensuring that they receive the same high level of education as our on-campus students.

STUDENT LEARNING OUTCOMES AND ASSESSMENT

The overarching goal of this proposed degree is to integrates military academic credits, pertinent military experiences, and weather and environmental courses from Mississippi State University to deliver a comprehensive education in weather forecasting, climate analysis, and human-environmental interactions. Graduates will be well-equipped for positions in military weather operations, possessing the essential skills and knowledge to offer crucial meteorological, environmental, and climatological support for military planning and operations.

Program Level Outcome 1, Comprehension of Weather Knowledge for Military: Technical and military courses transferred from either a military institution (e.g. Keesler Air Force Base) or military community college (e.g. Community College of the Air Force/Air University). Mississippi State University will assume that if the student completed and passed their military course training, they will have met this learning outcome.

1. **Meteorological Data Analysis:** demonstrate proficiency in collecting, analyzing, and interpreting meteorological data using specialized instrumentation, software, and forecasting techniques relevant to military operations.
2. **Communication of Weather Information:** will apply their knowledge to assess and communicate weather-related risks and opportunities for mission planning, including understanding the implications of weather conditions on military equipment, logistics, troop movements, aviation operations, tactical strategies, and safety protocols.
3. **Operational Support:** will provide operational support by effectively communicating weather-related information to military personnel, enabling informed decision-making during various military activities, exercises, and missions.
4. **Adherence to Military Standards:** will adhere to military protocols, ethics, and security measures while handling and disseminating meteorological information, ensuring compliance with classified data handling and operational security requirements.

Program Level Outcome 2, Comprehension of Basic Human-Environmental Interactions: Graduates will be able to explain current and historical events related to disasters and be able to describe basic earth system processes, such as the hydrosphere, biosphere, and lithosphere.

1) **GR 4813 Natural Hazards** – 75% of the students will score 75% or higher on the final exam (describing interactions of earth and atmospheric processes with society; for example, causes of earthquakes, volcanoes, serve weather, floods, droughts, and wildfire).
2) **GG 3613 Water Resources** – 75% of the students will score 75% or higher on the water resources comprehensive final exam (explaining the basics of hydrologic cycle, freshwater reservoirs, human impact on water).
3) **GR 3113 Conservation of Natural Resources** – 75% or higher on the final comprehensive exam that covers content related to current and historical environmental issues with the hydrosphere, biosphere, and lithosphere.

Program Level Outcome 3, Application of Climate: Graduates will demonstrate critical thinking by analyzing and explaining the impacts of climate on various sectors, including agriculture, industry, and the economy, and by proposing solutions to climate-related challenges in these areas.

1) **GR 4613 Applied Climatology** – at least 75% of students will score 80% or higher on the last laboratory exercise that relates to solving climate questions (drought, agriculture, industry) using real data. related to radiance, reflectivity, and classification of remotely sensed imagery.

Program Level Outcome 4, Application of Fundamental Meteorology Knowledge: Graduates will be capable of applying their fundamental knowledge and skills in atmospheric sciences and climatology to real-world situations, demonstrating the ability to make accurate forecasts for general audiences.

1) **GR 4453 Weather Predication 2** – (a)at least 75% of students will score 80% or higher on the final exam demonstrating their ability to explain weather forecasting techniques; (b) 75% of students will score 85% or higher on the last forecasting homework exercise of the semester, which demonstrates their ability to generate accurate forecasts.
2) **GR 4913 Thermodynamic Meteorology** – at least 75% of the students will score 75% or higher on the final exam that covers problems related to atmospheric physics, especially energy transfer.

Program Level Outcome 5, Critical Thinking of Specialized Earth System Processes. Graduates will be able to identify and explain advanced earth and atmospheric phenomena within a specific area or specific field of their choosing, including oceanography, coastal sciences, study aboard, community engaged learning, or forensic geosciences.

1) At least 75% of students will score 75% or higher on either the final course project or the final exam, depending on which geoscience elective is taken. Meeting this criterion will be used to evaluate mastery of the course concepts, and thus, demonstrate proficiency describing earth and atmospheric processes within a specialized situation.

REQUIRED QUESTIONS

1) Will this program change meet local, state, regional, and national educational and cultural needs? If so, please describe.

Yes, the proposed Bachelor of Applied Science (BAS) in Weather and Environmental Sciences will meet important educational and cultural needs at local, state, regional, and national levels, particularly in relation to the military community.

This program is designed to provide a structured pathway for military personnel, specifically those with credits in meteorology, to either get promoted or to transition into civilian roles within weather, climate, and environmental sciences. The alignment of the degree name with the military rank of "Weather and Environmental Science Officer" reflects a clear commitment to supporting airmen as they prepare for careers both within and outside the military. By offering a way to transfer military credits into a recognized bachelor's degree, the program will facilitate the transition of skilled individuals from military service into sectors where their expertise is critically needed.

The educational need for weather and environmental professionals is significant due to the growing concerns surrounding climate change, disaster preparedness, and environmental sustainability. This program would contribute to filling the demand for trained professionals in both the public and private sectors, including agencies like the National Weather Service, environmental consulting firms, and governmental organizations focused on environmental protection.

At a national level, supporting military personnel as they transition into civilian careers not only benefits individuals but also strengthens workforce readiness and bolsters public safety efforts related to weather and climate issues. Additionally, by offering this program, the university will help create more opportunities for veterans to contribute their skills and experience to fields that are vital for environmental monitoring and sustainability.

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

We are not aware of any other Bachelor of Applied Science (BAS) programs within the system that duplicate this degree. While there is some similarity to the Broadcast and Operational Meteorology Program (BOMP) offered by the Department of Geosciences, there are several important distinctions between the two programs:

1. The BAS places a stronger emphasis on environmental science, whereas the BOMP is more focused on pure meteorology.
2. The BAS allows for the transfer of up to 45 technical hours from military coursework, specifically geared toward supporting weather forecasting for military operations, particularly in aviation contexts. This is a unique feature that sets the BAS apart from more traditional meteorology programs.
3. The BAS is designed to be less quantitatively intensive and does not require the same level of advanced mathematics as the BOMP. This makes the program more accessible to students whose background may not be as math-focused.
4. While the BOMP is tailored more towards preparing students for careers as TV meteorologists, the BAS is designed as a more general degree. It prepares students for a broader range of roles related to weather and environmental science, including military, government, and private sector positions.

In summary, while there are some similarities between the programs, the Bachelor of Applied Science in Weather and Environmental Sciences is distinct in its focus, structure, and target student population, and it does not duplicate any existing programs within the system.

3) Will the program change/advance student diversity within the discipline? If so, please describe. Yes, see below:

Yes, this program will advance student diversity within the discipline of weather and environmental sciences. The proposed Bachelor of Applied Science (BAS) in Weather and Environmental Sciences is specifically designed to accommodate the unique needs of military personnel, a group that is highly diverse in terms of race, ethnicity, gender, and cultural backgrounds. By offering a program that allows for the transfer of military credits, we are providing opportunities for individuals from a wide variety of backgrounds to access higher education and transition into civilian careers.

The military has long been recognized as one of the most diverse institutions in the United States, and this program will help further those diversity objectives by facilitating career advancement for service members who may not have otherwise had access to this type of specialized education. Additionally, the broad applicability of the degree—spanning roles in meteorology, environmental science, and climate-related fields—ensures that students from diverse socioeconomic and cultural backgrounds can pursue careers in high-demand sectors that benefit both the public and private domains.

Incorporating the military's diverse talent pool into the academic and professional spheres of weather and environmental sciences will not only enrich the discipline but also help address national goals related to workforce diversity. By supporting this pathway for service members, we are also contributing to a more inclusive and representative workforce in fields that are vital to understanding and addressing pressing environmental and climate challenges.

4) Will the 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 proposed Bachelor of Applied Science (BAS) in Weather and Environmental Sciences is expected to increase the potential placement of graduates in Mississippi, the Southeast, and across the U.S. There is growing demand for professionals skilled in weather forecasting, climate science, and environmental management, particularly as these fields become more critical in addressing climate change, disaster preparedness, and sustainable resource management. Graduates of this program will be well-positioned for careers in both the public and private sectors, including employment with government agencies such as the National Weather Service, environmental consulting firms, and organizations involved in aviation, agriculture, and defense.

Moreover, by providing a pathway for military personnel to transfer credits and earn a degree that aligns with their specialized training, this program will help fill key roles in sectors that value the unique experience and expertise of veterans. Mississippi and the broader Southeastern region, with their focus on agriculture, coastal management, and disaster resilience, will particularly benefit from professionals with the skills and knowledge offered by this degree. Nationally, the integration of weather and environmental science expertise is critical to supporting industries and initiatives focused on environmental protection and climate adaptation, further increasing job placement opportunities for graduates.

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

Yes, the proposed Bachelor of Applied Science (BAS) in Weather and Environmental Sciences will likely lead to an increase in the potential salary of graduates in Mississippi, the Southeast, and across the U.S. The combination of meteorology, environmental science, and military experience prepares graduates for high-demand roles in weather forecasting, environmental monitoring, disaster preparedness, and aviation-related fields, which typically offer competitive salaries. Graduates entering civilian careers can find employment in industries such as environmental consulting, government agencies, and private sector organizations, where expertise in climate science and environmental sustainability is increasingly valuable.

For military personnel, this degree also provides an opportunity for career advancement and promotion within the military, as it aligns with the skills required for higher-ranking positions such as Weather and Environmental Science Officer. Upon transitioning out of the military, graduates will have the qualifications necessary to secure well-paying civilian jobs in meteorology and environmental science sectors, further enhancing their earning potential. This program not only opens up career pathways but also ensures that graduates are equipped to command competitive salaries in a growing field that values both their technical expertise and military experience.

PROPOSED 4-LETTER ABBREVIATION: WXEN

EFFECTIVE DATE: Fall 2025

CIP NUMBER: 40.0401 Atmospheric Sciences and Meteorology, General

MISSISSIPPI STATE
UNIVERSITY

Department of Geosciences
108 Hilbun Hall
355 Lee Blvd.
P.O. Box 5448
Mississippi State, MS 39762
Phone (662) 325-3915
FAX (662) 325-9423

October 9, 2024

College of Arts and Sciences and the University Courses and Curriculum Committees

Mississippi State University

RE: Department of Geosciences – Bachelor of Applied Science – Weather and the Environment

Dear Curriculum Committee,

The Department of Geosciences Curriculum Committee has reviewed and supports the proposed addition of an online Bachelor of Applied Science (BAS) degree in Weather and the Environment to the department's curriculum. The addition of this degree will diversify our program by offering a degree specific to the application of weather and environmental geosciences towards military operations. The degree will transfer weather and environmental courses taken at military institutions and apply these towards an undergraduate degree. The degree program has been updated since past submission.

We fully support the addition of an online BAS degree in Weather and the Environment to undergraduate curriculum. If you have any questions or need additional information, please do not hesitate to contact us.

Respectfully,

Brian Williams — Digitally signed by Brian Williams Date: 2024.10.10 10:46:43 -04'00'

Brian Williams (Committee Member)

Andrew Mercer — Digitally signed by Andrew Mercer Date: 2024.10.09 17:13:42 -05'00'

Andrew Mercer (Committee Member)

Boniface O Fosu — Digitally signed by Boniface O Fosu Date: 2024.10.10 09:17:44 -05'00'

Boniface Fosu (Committee Member)

Varun Paul — Digitally signed by Varun Paul Date: 2024.10.10 18:24:06 -05'00'

Varun Paul (Committee Member)

Sarah Lalk, PhD — Digitally signed by Sarah Lalk, PhD Date: 2024.10.11 07:42:56 -05'00'

Sarah Lalk (Committee Chair)

CC: John Rodgers, Geosciences Department Head

MISSISSIPPI STATE UNIVERSITY™
COLLEGE OF PROFESSIONAL AND CONTINUING STUDIES

February 27, 2024

To: University Committee on Courses and Curricula

This letter is to express support of the College of Professional and Continuing Studies for the inclusion of the following course within the Bachelor of Applied Science – Weather and Environment Science program.

- PCS 4112 – Professional Success Strategies in Applied Fields

We look forward to supporting this program through recruitment activities as well. This BAS is expected to be beneficial to several student populations.

If you have any questions, please feel free to contact me.

Sincerely,

Susan D. Seal

Susan D. Seal

Dean
College of Professional and Continuing Studies

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8
(Submit in PDF format with signatures.)

Institution:	Mississippi State University
Date of anticipated implementation:	August 2025
Program title as it will appear on Academic Program Inventory, Diploma, and Transcript:	Weather and Environmental Sciences
Name of degree(s) to be awarded:	Bachelor of Applied Science
Six-digit CIP code:	40.0401
Total credit-hour requirement to earn the degree:	121
Responsible academic unit:	Department of Geosciences
Institutional contact:	John Rodgers, Professor and Head, (662) 325-1393, rodgers@geosci.msstate.edu
Phone:	
Email:	
SACSCOC Substantive Change:	☒ Program proposed **IS NOT** a substantive change. ☐ Program proposed **IS** a substantive change.
Incremental, five-year cost of implementation:	$160,000.00
Incremental, five-year per student cost of implementation:	$1428.57
Potential five-year, new revenue:	$659,193.5
Potential new, five-year revenue per student:	$5,885.66
Will it attract new students to the university?	☒ Yes ☐ No

List any institutions within the State offering similar programs: 0

Number of students expected to enroll in first 5 years:	
Year 1	15
Year 2	18
Year 3	22
Year 4	26
Year 5	31
Total	112

Number of students expected to graduate in first 5 years:	
Year 1	0
Year 2	0
Year 3	12
Year 4	14
Year 5	17
Total	43

Program summary (include second majors completed, if applicable):

The Bachelor of Applied Science in Weather and Environmental Sciences major integrates military academic credits in the areas of weather and environmental science, pertinent military experiences, and weather and environmental courses from Mississippi State University to deliver a comprehensive education in weather forecasting, climate analysis, and human-environmental interactions. Graduates will be well-equipped for positions in military weather operations, possessing the essential skills and knowledge to offer crucial meteorological and climatological support for military planning and operations.

The Bachelor of Applied Science (BAS) program distinguishes itself from traditional Bachelor of Science (BS) offerings by prioritizing the practical application of knowledge, equipping students with specialized skills and competencies directly relevant to today's dynamic workforce. Through a robust curriculum grounded in real-world scenarios, industry partnerships, and experiential learning opportunities, the BAS empowers learners to seamlessly integrate theoretical insights with hands-on expertise, fostering a pathway to immediate career advancement and long-term success in their chosen fields.

In addition, the BAS program often serves as an accessible pathway for community college graduates holding Associate of Applied Science (AAS) or Associate of Applied Technology (AAT) degrees. Recognizing the value of prior technical education and professional experience, the BAS program offers seamless transfer opportunities, allowing individuals to build upon their foundational knowledge and skills, ultimately enabling a smoother transition into advanced coursework and specialized career tracks within their chosen fields.

The audit of recently approved academic programs ensures that the program outcomes are congruent with the Board-approved proposal. Please respond to the questions on the following pages to aid the institution and IHL staff in making recommendations to the IHL Board of Trustees.

Chief Academic Officer Signature – Date

Institutional Executive Officer Signature – Date

New Academic Degree Program Questions:

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 Weather and Environmental Sciences will be administered through a Program Director, department head, and faculty in the Department of Geosciences in the College of Arts and Science. The specific responsibility for the design and review of the curriculum will be the purview of the Program Director, Department Head, and Geosciences faculty members. Degree and course additions, modifications, and deletions are subject to approval by the larger faculty (University Course and Curriculum Committee).

2 Describe the educational objectives of the degree program including the specific objectives of any concentrations, emphases, options, specializations, tracks, etc.

The Bachelor of Applied Science in Weather and Environmental Sciences is designed for students who wish to enhance their skills in the management of weather and environmental science processes. The Weather and Environmental Sciences program is designed to provide students a comprehensive education that builds upon previous postsecondary coursework within the field and expand that knowledge and experience in the areas of comprehensive education in weather forecasting, climate analysis, spatial analysis, and human-environmental interactions.

- Graduates will demonstrate proficiency in collecting, analyzing, interpreting, and communicating meteorological data and meteorological phenomena.
- Graduates will be able to explain current and historical events related to disasters and be able to describe basic earth system processes, such as the hydrosphere, biosphere, and lithosphere.
- Graduates will demonstrate critical thinking by analyzing and explaining the impacts of climate on various sectors, including agriculture, industry, and the economy, and by proposing solutions to climate-related challenges in these areas.
- Graduates will be capable of applying their fundamental knowledge and skills in atmospheric sciences and climatology to real-world situations, demonstrating the ability to make accurate forecasts for general audiences.
- Graduates will be able to identify and explain advanced earth and atmospheric phenomena within a specific area or specific field of their choosing, including oceanography, coastal sciences, study aboard, community engaged learning, or forensic geosciences.

3 Describe any special admission requirements for the degree program including any articulation agreements that have been negotiated or planned.

Students applying for admission to the program must have an AAS or AAT degree in a weather and environmental science-related discipline or have completed the meteorological curriculum at a military institution, and they must have a cumulative GPA of at least 2.00 at the time of admission. The Department of Geosciences reserves the right to evaluate students for special exceptions if the applicants have met all of the technical course requirements and most of the general education requirements of the transfer degree while still maintaining the GPA requirement. While students from any qualifying institution are welcome, MSU has partnership agreements with all community colleges within the state of Mississippi, as well as others in the states of Alabama, Louisiana, Tennessee, Texas, and Indiana at the time of the submission of this proposal. This partnership for the Bachelor of Applied Science program signifies that the administration, faculty, and counselors from these institutions are committed to communicating with students the availability of the BAS majors at MSU as well as ensuring the transfer process is seamless.

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

There is no professional accreditation associated with this degree. The new degree program also 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 and College of Arts & Sciences core (A&S Core) curriculum (44 hours), major coursework in Weather and Environmental Sciences technology (30 hours), BAS Capstone course (PCS 4112, 2 hours), and up to 45 hours credit for work in the technical discipline associated with the student's AAS degree for a total 121 hours required for student to complete in the Bachelor of Applied Science in Weather and Environmental Sciences program.

UNIVERSITY CORE CURRICULUM – 44 HOURS
English (General Education) – 6 hours
EN 1103 English Composition I or EN 1104 Expanded English Composition I
EN 1113 English Composition II or EN 1173 Accelerated Composition II

Fine Art (General Education) – 3 hours
A&S Core

Natural Sciences – 8 hours
- GR 1133/GR 1131 Weather and Climate and Weather and Climate Lab
- A&S Core

Quantitative Reasoning (General Education) – 3 hours
A&S Core

Humanities (General Education) – 6 hours
History – A&S Core
Literature – A&S Core

Social/Behavioral Sciences (General Education) – 6 hours
GR 1123 Introduction to World Geography
A&S Core – cannot be from GR

Foreign Language – 6 hours
Foreign Language I
Foreign Language II

Oral Communications – 3 hours
A&S Core

Jr/Sr Writing – 3 hours
GG 4333

MAJOR CORE COURSES –32 HOURS
PCS 4112 Professional Success Strategies in Applied Fields

Human-Environmental Interactions
GG 3603 Introduction to Oceanography
GG 3613 Water Resources
GR 3113 Conservation of Natural Resources
GR 4813 Natural Hazards

Advanced Weather Forecasting:
GR 4443 Weather Prediction 1
GR 4453 Weather Prediction 2
GR 4913 Thermodynamic Meteorology
GR 4923 Severe Weather

Climatology
GR 4613 Applied Climatology

Geosciences Elective
Any GR or GG course 3000-level or higher

TECHNICAL COURSES – 45 HOURS
TOTAL HOURS – 121 HOURS

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 in order to begin the program, give the desired qualifications of the persons to be added.

The below required courses will continue to be delivered primarily by existing faculty or approved adjunct faculty in the Department of Geosciences in the College of Arts and Science:

- GG 3603 Introduction to Oceanography
- GG 3613 Water Resources
- GR 3113 Conservation of Natural Resources
- GR 4813 Natural Hazards
- GR 4443 Weather Prediction 1
- GR 4453 Weather Prediction 2
- GR 4613 Applied Climatology
- GR 4913 Thermodynamic Meteorology
- GR 4923 Severe Weather

The below required course will be taught by approved faculty in the College of Professional and Continuing Studies:
- PCS 4112 Professional Success Strategies in Applied Fields

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 Mississippi State Library has adequate holdings for the proposed program. The following databases and more from the Mississippi State Library are relevant to the BAS in Construction Technology program:

- Academic Search Premier
- CloudSource+ and CloudSourceOA that search multiple databases, journal publishers, index open access scholarly journal articles, open textbooks, and open education resources
- eBooks from EBSCO
- ERIC
- 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 subjects and full-text content
- Access to electronic journals sufficient to meet the needs of baccalaureate studies.
- Discipline-based research guides aligned to applied science majors
- Access to virtual training opportunities through the library's MaxxSouth Digital Media Center (DMC) (ex.: Excel, Adobe InDesign, CAD, and other technology) online.
- ILL and document delivery services for obtaining materials not owned by MSU Libraries.

8 Describe the procedures for evaluation of the program and its effectiveness in the first five 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.

Multiple methods will be used to evaluate student learning and program effectiveness:

- Student learning will be assessed through course assessments (exams, quizzes, homework, and projects).
- The Office of Institutional Effectiveness at MSU conducts exit surveys of graduates and tracks admission, retention, graduation, and graduate placement rates that will be used to evaluate the program's effectiveness.
- The Center for Distance Education utilizes a variety of measures to assess student learning that will also be used to help the department evaluate the program's effectiveness.
- The success of the program will be determined by the number of adult learner students who enroll in the degree program versus the number of students that successfully complete the degree during the initial five-year period of the degree program.

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

We expect to incrementally enroll students in the Bachelor of Applied Science in Weather and Environmental Science program over a five-year period. Since it typically takes transfer students at least two years to complete a degree program, we expect to have graduates starting in the third year. The design of the Bachelor of Applied Science in Weather and Environmental Sciences is unique and the only one in the State of Mississippi, especially since it is tailored towards our military partners' officer positions within their branches. Since the design of this major was done in collaboration with our military partners and their curriculum teams, it will translate to prospective military students both nationally and internationally.

10 Using expected enrollment, provide the total anticipated budget for the program including implementation and 4 subsequent years (total of 5 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.

Please explain what has been included in the costs and revenues.

Start-Up Costs: one-time costs associated with offering this program
Start-Up costs include marketing and recruitment activities and materials.

Direct, Incremental Costs: additional annual costs to the university as a result of offering this program

Beginning Year 1, an instructor/adviser (75% teaching/25% advising) will be hired to help with the teaching and management of the new program. This would be a 12-month appointment at $58K per year.

Incremental Revenue: additional annual revenue assuming that this program will bring in new students paying full tuition

Revenue is projected based on total enrollment times the cost of tuition ($402.75/credit hr) for the online education student enrolled in 6 hours per semester (typical load for our online learners) for fall, spring, and summer semesters. $402.75 per credit hour * 6 credit hours/semester * 3 semesters = $7249.5 per year per student.

Non-Tuition Revenue: external funds, grants, contracts or other revenues attributable to the addition of this program

Differential: all revenues minus all costs

Year	Incoming Students	Total Enrollment	Start-Up Costs	A Additional Annual Costs	B Additional Annual Revenue	C Non-Tuition Revenue	(B+C)-A Differential
2023-24	15	15	$15,000.00	$29,000.00	$108,742.50	$0.00	$64,742.50
2024-25	3	18	$0.00	$29,000.00	$130,491.00	$0.00	$101,491.00
2025-26	4	22	$0.00	$29,000.00	$159,489.00	$0.00	$130,489.00
2026-27	4	26	$0.00	$29,000.00	$188,487.00	$0.00	$159,487.00
2027-28	6	32	$0.00	$29,000.00	$231,984.00	$0.00	$202,984.00
TOTAL	32	112	$15,000.00	$145,000.00	$819,193.50	$0.00	$659,193.50

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

☒ Survey of Student Interest

Number of surveys administered: 25
Number of completed surveys returned: 17
Percentage of students interested in program: 70%

Include a brief statement that provides additional information to explain the survey.
The group distributed an interest survey to community colleges that had an existing Bachelor of Applied Science partnership MOU with Mississippi State.

☐ Market Analysis or Evidence of Labor Market Need

In fall 2022, we met with the administration at Keesler Air Force Base located in Biloxi, MS. The 81st training group provides training to over 30,000 officers, airmen, and civilian employees on an annual basis. The leadership of Keesler due to their longstanding relationship with the Geosciences department requested this specific Bachelor of Applied Science to not only meet the educational needs of the Air Force but also provide airmen a path for a baccalaureate degree that was complementary to the training provided on base. This major is designed to meet the education requirements for the Weather and Environmental Science Officer military occupation (WX15). It also provides graduates with a path to graduate degrees at any educational institution and meets the education requirements for the following in-demand civilian occupations: Climate Change Policy Analysts, Geoscientists, GIS Technologists/Technicians, and Natural Sciences Managers.

While the exact demand for this specialization within the military is not quantified, the prioritization of this major by the Air Force base underscores a strategic foresight into the evolving needs of military operations and environmental intelligence. This emphasis reflects a growing recognition of the critical role that weather and environmental science play in national security, operational planning, and disaster response strategies. The military's interest can be seen as a response to the increasing complexity of global environmental challenges and the need for specialized knowledge in navigating these issues.

On the civilian side, the outlook for careers in weather and environmental sciences is decidedly positive. The U.S. Bureau of Labor Statistics (BLS) and other labor market analysts highlight a robust demand for professionals in these fields, driven by a heightened societal focus on climate change, environmental protection, and sustainable development. For instance, occupations such as Climate Change Policy Analysts and Geoscientists are expected to experience faster-than-average growth rates over the next decade. This growth is fueled by the need for expertise in analyzing environmental data, developing policies to mitigate climate change effects, and exploring the Earth's composition and processes. Furthermore, the integration of Geographic Information Systems (GIS) technology across various sectors, including environmental science, amplifies the demand for skilled GIS Technologists and Technicians. The expertise in managing and analyzing spatial data is increasingly vital for decision-making processes in environmental management, urban planning, and emergency response.

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

By establishing a BAS major specifically designed for airmen in weather and environmental science, Mississippi State University's College of Arts & Sciences would not only be responding to an immediate need within the military but also preparing graduates for meaningful and in-demand careers in the civilian workforce.

For the occupations of interest within Mississippi, the region, and the U.S., specific 10-year employment projections can be somewhat challenging to pinpoint due to the broad categorization of occupations by the Bureau of Labor Statistics (BLS) and the dynamic nature of employment trends. However, the BLS does provide valuable insights into environmentally focused occupations, which can give us a general understanding of the job outlook for Climate Change Policy Analysts, Geoscientists, GIS Technologists/Technicians, and Natural Sciences Managers.

According to the BLS, certain "green" occupations related to the environment or conserving natural resources are projected to see job growth. While the BLS highlights fast employment growth for occupations such as wind turbine service technicians and solar photovoltaic installers, the projection specifics for Climate Change Policy Analysts, Geoscientists, GIS Technologists/Technicians, and Natural Sciences Managers require a closer look at broader environmental and scientific occupational categories due to the way these jobs are classified and reported on.

For example, environmental scientists and specialists, a category that might encompass roles like Climate Change Policy Analysts, are expected to see employment growth. Similarly, occupations that involve the application of geoscience and GIS technology, likely including Geoscientists and GIS Technologists/Technicians, are also projected to grow due to the rising need for experts who can analyze and interpret environmental data, manage natural resources, and contribute to conservation efforts.

The outlook for Natural Sciences Managers is also favorable, as these professionals play a critical role in coordinating and managing the research and development efforts of scientists, including those in environmental and geoscience fields. The demand in this area reflects the broader need for leadership in scientific research that addresses environmental challenges and advances knowledge in these critical areas.

Table 1 below summarizes the employment projections for the positions of Climate Change Policy Analysts, Geoscientists, GIS Technologists/Technicians, and Natural Sciences Managers in Mississippi, the Southern region, and the nation from 2021-2031.

Table 1: Employment Projections for Weather and Environmental Sciences-Related Positions

Job Title	MS	Region	United States
Climate Change Policy Analysts	290	4,360	85,300
Geoscientists	390	1,570	27,600
GIS Technologists/Technicians	1,150	18,250	493,100
Natural Sciences Managers	290	1,610	90,500

Long-Term Occupational Projections (2020-2030). (2023). Projections Central. https://projectionscentral.org/Projections/LongTerm

O*NET OnLine. (2023). National Center for O*NET Development. https://www.onetonline.org/

https://www.airforce.com/careers/aviation-and-flight/weather-and-environmental-sciences-officer

Bachelor of Applied Science in Weather and Environmental Science

Program Level Outcomes and Course Assessment Map

Overarching Program Outcome: This Bachelor of Applied Science major integrates military academic credits, pertinent military experiences, and weather and environmental courses from Mississippi State University to deliver a comprehensive education in weather forecasting, climate analysis, and human-environmental interactions. Graduates will be well-equipped for positions in military weather operations, possessing the essential skills and knowledge to offer crucial meteorological, environmental, and climatological support for military planning and operations.

Program Level Outcome 1, Comprehension of Weather Knowledge for Military: Technical and military courses transferred from either a military institution (e.g. Keesler Air Force Base) or military community college (e.g. Community College of the Air Force). Transferred courses should prepare students for the skills listed below. Mississippi State University will assume that if the student completed and passed their military course training, they will have met this learning outcome.

1. **Meteorological Data Analysis:** demonstrate proficiency in collecting, analyzing, and interpreting meteorological data using specialized instrumentation, software, and forecasting techniques relevant to military operations.
2. **Communication of Weather Information:** will apply their knowledge to assess and communicate weather-related risks and opportunities for mission planning, including understanding the implications of weather conditions on military equipment, logistics, troop movements, aviation operations, tactical strategies, and safety protocols.
3. **Operational Support:** will provide operational support by effectively communicating weather-related information to military personnel, enabling informed decision-making during various military activities, exercises, and missions.
4. **Adherence to Military Standards:** will adhere to military protocols, ethics, and security measures while handling and disseminating meteorological information, ensuring compliance with classified data handling and operational security requirements.

Program Level Outcome 2, Comprehension of Basic Human-Environmental Interactions: Graduates will be able to explain current and historical events related to disasters and be able to describe basic earth system processes, such as the hydrosphere, biosphere, and lithosphere.

1) **GR 4813 Natural Hazards –** 75% of the students will score 75% or higher on the final exam (describing interactions of earth and atmospheric processes with society; for example, causes of earthquakes, volcanoes, serve weather, floods, droughts, and wildfire).
2) **GG 3613 Water Resources –** 75% of the students will score 75% or higher on the water resources comprehensive final exam (explaining the basics of hydrologic cycle, freshwater reservoirs, human impact on water).

3) **GR 3113 Conservation of Natural Resources –** 75% or higher on the final comprehensive exam that covers content related to current and historical environmental issues with the hydrosphere, biosphere, and lithosphere.
Program Level Outcome 3, Application of Climate: Graduates will demonstrate critical thinking by analyzing and explaining the impacts of climate on various sectors, including agriculture, industry, and the economy, and by proposing solutions to climate-related challenges in these areas.
1) **GR 4613 Applied Climate –** at least 75% of students will score 80% or higher on the last laboratory exercise that relates to solving climate questions (drought, agriculture, industry) using real data. related to radiance, reflectivity, and classification of remotely sensed imagery.
Program Level Outcome 4, Application of Fundamental Meteorology Knowledge: Graduates will be capable of applying their fundamental knowledge and skills in atmospheric sciences and climatology to real-world situations, demonstrating the ability to make accurate forecasts for general audiences.
1) **GR 4453 Weather Predication 2 –** (a)at least 75% of students will score 80% or higher on the final exam demonstrating their ability to explain weather forecasting techniques; (b) 75% of students will score 85% or higher on the last forecasting homework exercise of the semester, which demonstrates their ability to generate accurate forecasts. 2) **GR 4913 Thermodynamic Meteorology –** at least 75% of the students will score 75% or higher on the final exam that covers problems related to atmospheric physics, especially energy transfer.
Program Level Outcome 5: Critical Thinking of Specialized Earth System Processes. Graduates will be able to identify and explain advanced earth and atmospheric phenomena within a specific area or specific field of their choosing, including oceanography, coastal sciences, study aboard, community engaged learning, or forensic geosciences.
1) At least 75% of students will score 75% or higher on either the final course project or the final exam, depending on which geoscience elective is taken. Meeting this criterion will be used to evaluate mastery of the course concepts, and thus, demonstrate proficiency describing earth and atmospheric processes within a specialized situation.

Appendix of Transferred Keesler Air Force Courses and Prerequisite Mapping

This is a list of the courses that are taught at Keesler Air Force Base/Air University. The courses from the list - 45 credit hours - would be transferred into the Bachelors of Applied Science towards the "Technical" credits. Geosciences has already accepted some courses into our Broadcast and Operational Meteorology (BOMP) BS program. These previously transferred courses are described in Table 2. Lastly, there was some concern about whether the transferred technical courses would meet the prerequisites for the department courses. Table 3 outlines how a combination of Geosciences and Keesler AFB courses would support all courses in the proposed curriculum.

Table 1: courses transferred as technical credits from Keesler Air Force Base/

Course	Hours:	Course Title:
MET 1403	2	Weather Fundamentals
MET 1701	5	Meteorology I
MET 1702	6	Meteorology II
MET 1808	5	Meteorological Reports/Charts
MET 2201	3	Macroscale Analysis Techniques
MET 2202	4	Synoptic Analysis Techniques
MET 2203	4	Synoptic Analysis Laboratory
MET 2204	3	Mesoscale Analysis Techniques
MET 2205	4	Mesoscale Analysis Laboratory
MET 2801	1	Weather Radar Operations
MET 2809	7	Central Weather Facility
MET 2819	2	Satellite Picture Interpretation
MET 2830	4	Macroscale/Synoptic FCST Tech
MET 2831	3	Macroscale/Synoptic Forecast Lab
MET 2832	4	Mesoscale/Microscale FCST Tech
MET 2833	5	Mesoscale/Microscale Forecast Lab
Total	62	

Table 2: Courses already accepted for the BOMP. These courses meet the Geosciences prerequisites:

Keesler AFB Courses	**Mississippi State Course Equivalent**
MET 1701 Meteorology 1 and MET 1702 Meteorology 2	GR 1133 Weather and Climate and GR 1131 Weather and Climate Lab.
MET 2202 Synoptic Analysis Techniques and MET 2203 Synoptic Analysis Laboratory	GR 4713 Synoptic Meteorology

Table 3: Prerequisites for Geosciences core courses

Geosciences Course	Prerequisite
GG 3603 Intro to Oceanography	No prerequisite
GG 3613 Water Resources	No prerequisite
GR 3113 Conservation of Natural Resources	No prerequisite
GR 4443 Weather Prediction 1	• MSU Course = GR 4713 • Keesler AFB Course = MET 2202 and MET 2203
GR 4453 Weather Prediction 2	GR 4443
GR 4913 Thermodynamic Meteorology	• MSU Course = GR 4713 • Keesler AFB Course = MET 2202 and MET 2203
GR 4923 Severe Weather	GR 4913
GR 4613 Applied Climatology	• MSU = GR 1133/GR 1131 • Keesler AFB = MET 1701 and MET 1702
Elective	See catalog

MEMORANDUM FOR 335 TRS- KEESLER

FROM: CCAF/DECA

SUBJECT: Evaluation of Air Force Courses

COURSE TITLE:	CCAF COURSE #:	PDS CODE:
WEATHER FORECASTER APPRENTICE	258ABR1W031 0A1C	YEO

COURSE CHART (CC) DATE:	PLAN OF INSTRUCTION (POI) DATE:	COURSE START:	SEMESTER HOUR:	LENGTH:
14 Dec 2017	26 Feb 2018	26 Feb 2018	62	151

CC CHANGE DATE:	POI CHANGE DATE:	UPDATED DATE:
NONE	NONE	26 Feb 2018

Course Breakdown

COURSE CODE:	HOURS:	COURSE TITLE:
MET1403	2	WEATHER FUNDAMENTALS
MET1701	5	METEOROLOGY I
MET1702	6	METEOROLOGY II
MET1808	5	METEOROLOGICAL REPORTS/CHARTS
MET2201	3	MACROSCALE ANALYSIS TECHNIQUES
MET2202	4	SYNOPTIC ANALYSIS TECHNIQUES
MET2203	4	SYNOPTIC ANALYSIS LABORATORY
MET2204	3	MESOSCALE ANALYSIS TECHNIQUES
MET2205	4	MESOSCALE ANALYSIS LABORATORY
MET2801	1	WEATHER RADAR OPERATION
MET2809	7	CENTRAL WEATHER FACILITY
MET2819	2	SATELLITE PICTURE INTERPRETATION
MET2830	4	MACROSCALE/SYNOPTIC FCST TECH
MET2831	3	MACROSCALE/SYNOPTIC FORECAST LAB
MET2832	4	MESOSCALE/MICROSCALE FCST TECH
MET2833	5	MESOSCALE/MICROSCALE FORCAST LAB

Units reporting graduates by means other than OTA must report graduates using STARS-FD. If you have any questions regarding this evaluation, please contact your CCAF Regional

Subject: RE: Draft of BAS in Weather and Environmental Operations Major - Feedback Requested
Date: Friday, February 2, 2024 at 11:24:27 AM Central Standard Time
From: COX, SHANE D Maj USAF AETC 335 TRS/DO
To: Owen, Sean, Rodgers, John
CC: ROBERTS, JAMES T Lt Col USAF AETC 81 TRG/CD, SOOTS, LYNN M CIV USAF AETC 81 TRG/TA, DONAHUE, CHRISTOPHER M Lt Col USAF AETC 335 TRS/CC, RITTER, MICHAEL B CIV USAF AETC 335 TRS/TRR, PIERCE, JASON M SMSgt USAF AETC 335 TRS/TRR, WINELAND, SAMUEL C Capt USAF AETC 335 TRS/UOA, DE LA CRUZ, AARON M Capt USAF AETC 335 TRS/UOA, CONNER, JASON L MSgt USAF AETC 335 TRS/UOA
Attachments: image001.png, image002.png, BAS Military Weather and Environmental Operations _Degree_outline_form.docx

Good Morning, Gentlemen!

We had our team review both the attachment and your questions posed last week; please see below for our response plus some follow-on questions:

1. **Is the title of the BAS major sufficient? If not, are there other names your group would prefer?**
   - If possible, we respectfully request a title change to "Weather & Environmental Sciences," which also directly correlates to the official career field name for our officers (Weather & Environmental Science Officers or WESOs, for short).
2. **What are the end goals with offering this major? If it is to provide Airmen a pathway to a baccalaureate degree that aligns to the training and/or a path to a graduate degree? Do you also need graduates to have credentials from NWA? If they want to be credentialed, we need to go a different route as noted in the footer of the attached document.**
   - This degree will encourage further professional development and may serve as a launch pad for those seeking graduate degrees. Without leaping into higher-level math or physics (which is required for most WESOs and NOAA/NWS), this may also facilitate future prior-enlisted officer accessions (i.e., a current enlisted member completes the degree requirements to commission later as an officer). Note: from a student behavioral standpoint, this degree will become a popular option for students if they view it as within their grasp (with a CCAF degree and assuming the general education requirements are complete, potential students could be almost half-way to completion, which would be attractive overall).
   - Graduates under this program will not need credentials from the NWS.
3. **Under Technical Courses in Discipline, are those descriptions accurate depictions of what they learn in military/CC courses?**
   - The provided course descriptions read well and depict what they learn in our military/technical training courses.

Follow-on questions:
1. How long are the classes (in weeks)?
2. How often will the classes be offered (fall only, spring only, summer only, etc.)?
3. Are the classes offered online?

We hope this addresses your questions for now, but we're also happy to provide additional input or discuss further on any other topic related to this subject.

Thank you for allowing us the opportunity to provide feedback and we look forward to future collaboration on this and other endeavors! Have a great weekend!

V/R,

Shane

SHANE D. COX, Maj, USAF
Operations Officer
335th Training Squadron
Keesler Air Force Base, Mississippi
DSN: (312) 597-9339 / Comm: (228) 377-9339

From: ROBERTS, JAMES T Lt Col USAF AETC 81 TRG/CD <james.roberts.22@us.af.mil>
Sent: Thursday, January 25, 2024 4:12 PM
To: COX, SHANE D Maj USAF AETC 335 TRS/DO <shane.cox.3@us.af.mil>
Cc: DONAHUE, CHRISTOPHER M Lt Col USAF AETC 335 TRS/CC <christopher.donahue.1@us.af.mil>; RITTER, MICHAEL B CIV USAF AETC 335 TRS/TRR <michael.ritter@us.af.mil>; SOOTS, LYNN M CIV USAF AETC 81 TRG/TA <lynn.soots@us.af.mil>; Rodgers, John <rodgers@geosci.msstate.edu>; Owen, Sean <sean.owen@msstate.edu>
Subject: FW: Draft of BAS in Weather and Environmental Operations Major - Feedback Requested

Maj Cox,

With Capt Wineland still on leave, I am requesting your team's assistance with gathering feedback for the Bachelor's of Applied Science degree option with our partners at Mississippi State University. Your team has coordinated with Dr. Rodgers and Dr. Owen in the past on this topic. The SME will be critical and will further enable all of our servicemembers apply their CCAF credits to achieving a bachelor's degree in a more realistic timeframe. This will most likely require involvement from your TRR staff.

Please work directly with Drs. Rodgers and Owen and please keep us in the know as you coordinate.

v/r,
Lt Col Roberts

JAMES T. ROBERTS, Lt Col, USAF
Deputy Commander, 81st Training Group
Keesler AFB, MS
DSN: 312-597-2610 | Comm: (228) 377-2610
Duty Cell: (228) 224-1806

From: Rodgers, John <rodgers@geosci.msstate.edu>
Sent: Thursday, January 25, 2024 12:31 PM
To: Owen, Sean <sean.owen@msstate.edu>; ROBERTS, JAMES T Lt Col USAF AETC 81 TRG/CD <james.roberts.22@us.af.mil>; WINELAND, SAMUEL C Capt USAF AETC 335 TRS/UOA <samuel.wineland.1@us.af.mil>
Cc: Vowell, Kenna <kenna.vowell@msstate.edu>
Subject: [Non-DoD Source] Re: Draft of BAS in Weather and Environmental Operations Major - Feedback Requested

All,

Thank you sending this out Dr. Owen. I want to echo that this is an initial plan that is modifiable. I devised the course lists based on my memory of our conversations in 2023. It is not meant to be definitive and I look forward to your suggestions. I also came up with the language for the technical credit learning outcomes on my own, and it will be clear that this is not my area. I would appreciate your review and help with this section too.

I am looking forward to hearing from you. Please email me or call if there are questions.

Thanks!
John Rodgers

From: Owen, Sean <sean.owen@msstate.edu>
Date: Thursday, January 25, 2024 at 11:25 AM
To: ROBERTS, JAMES T Lt Col USAF AETC 81 TRG/CD <james.roberts.22@us.af.mil>, WINELAND, SAMUEL C Capt USAF AETC 335 TRS/UOA <samuel.wineland.1@us.af.mil>
Cc: Vowell, Kenna <kenna.vowell@msstate.edu>, Rodgers, John <rodgers@geosci.msstate.edu>
Subject: Draft of BAS in Weather and Environmental Operations Major - Feedback Requested

Lt. Col. Roberts and Capt. Wineland,

I hope the spring semester is going well at Keesler Air Force Base. Recently, we have been working towards the completion of the design of the Bachelor of Applied Science in Weather and Environmental Operations Major. Dr. John Rodgers met with us recently in the hopes of finalizing a draft of the degree. We would love to request your input on the efficacy of the design of the major as well as request input and clarification on few items surrounding this major. When you have time, these are the questions we have that we need answers:

1. Is the title of the BAS major sufficient? If not, are there other names your group would prefer?
2. What are the end goals with offering this major? If it is to provide airmen a pathway to a baccalaureate degree that aligns to the training and/or a path to a graduate degree? Do you also need graduates to have credentials from NWA? If they want to be credentialed, we need to go a different route as noted in the footer of the attached document.
3. Under Technical Courses in Discipline, are those descriptions accurate depictions of what they learn in military/CC courses?

If you don't mind, please review with whomever you wish to evaluate the major and answer the questions. If we get agreement on the final document, we can start the approval process at Mississippi State University and the state board.

Thank you in advance and eagerness to partner with Mississippi State in this manner!
Sincerely,
Sean

Sean Owen, Ph.D.
Associate Dean
College of Professional and Continuing Studies
Mississippi State University | 305 Memorial
Mississippi State, MS 39762
o: 662.325.3501 | **c:** 662.312.0994
e: sean.owen@msstate.edu
w: https://www.cpcs.msstate.edu

Book time to meet with me

MISSISSIPPI STATE UNIVERSITY

Department of Geosciences
108 Hilbun Hall
355 Lee Boulevard
P.O. Box 5448
Mississippi State, MS 39762
Phone: 662-325-1393
Email: jcr100@msstate.edu

To: UCCC
From: John Rodgers, Professor and Head, Geosciences
Re: Explanation of Keesler AFB Transfer Credits to the Proposed BAS
Date: March 6, 2025

Dear UCCC,

From the January 24, 2025 UCCC Meeting, it was requested that Geosciences provide a description for how meteorology courses from Keesler Air Force Base transfer as technical credits for the proposed Bachelors of Applied Science in Weather and Environment.

Airmen going through training at Keesler Air Force Base as a Weather Forecaster Apprentice take 158 semester-hour equivalent coursework credentialed through the Community College of the Air Force. With successful completion, graduates receive an Associate of Applied Science in the Career and Technical Studies in the discipline of meteorology (https://www.airuniversity.af.edu/Portals/10/Registrar/catalogs/AU_Catalog_2023-2024.pdf, pages 23 – 24). The list of these courses and semester hour equivalents from Air University can be found in the Air University, Community College of the Air Force, 2022-2024 General Catalog Number 22, page 89: https://www.airuniversity.af.edu/Portals/10/CCAF/documents/2022-2024_CCAF_General_Catalog-Change1.pdf

Form this list, we propose the following nine Keesler AFB courses be transferred in as 45 hours of "Technical Credits" for the BAS degree in Weather and Environmental Science.

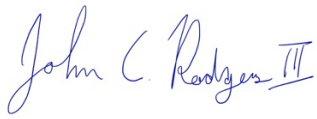
Table 1: Courses Transferred in to satisfy the 45 hours of the BAS degree's Technical Credits.

Keesler AFB (CCAF) Courses	**Semester Hour Equivalents**
MET 1403 Weather Fundamentals	3
MET 1701 Meteorology I	6
MET 1808 Meteorological Reports/Charts	6
MET 2201 Macroscale Analysis Techniques	3
MET 2202 Synoptic Analysis Techniques	6
MET 2204 Mesoscale Analysis Techniques	3
MET 2205 Mesoscale Analysis Laboratory	6
MET 2801 Weather Radar Operations	9
MET 2819 Satellite Picture Interpretations	3
Total	**45**

Please let me know if there are additional questions.

Thank you,

Sincerely,



John C. Rodgers III
Professor and Head, Geosciences
Mississippi State University

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 Business Department: Marketing, Quantitative Analysis, and Business Law

Contact Person: Stephen L. France Mail Stop:9582 E-mail: sfrance@business.msstate.edu
Nature of Change: Change of Codes/Course Titles and Additional Elective Courses
Date Initiated: 15/01/2025
Effective Date: Fall 2025
Current Degree Program Name: Undergraduate Minor in Business Analytics

Major: N/A **Concentration: N/A**

New Degree Program Name: Minor in Business Analytics

Major: N/A **Concentration: N/A**

Summary of Proposed Changes:

The Business Analytics minor currently has around 25-30 students a year. We do not propose to make any major changes to the minor. However, a new Supply Chain Management major has split out of the Marketing Supply Chain Management concentration and we need to update the Business Analytics minor to align with this change.

We originally had three courses in the Analytics Applications section from Marketing. Two are now part of the Supply Chain Management major. We have updated these courses to reflect new codes and a change in title. As there is now only one Marketing course, we have added two additional courses to allow Marketing majors to complete the minor in a timely manner.

In addition, the course title for EC 4643 has been changed to "Introduction to Econometrics" to more accurately represent its contents. We have updated the course title.

Approved:	**Date:**
Department Head	2-6-25
Chair, College or School Curriculum Committee	2-6-25
Dean of College or School	2/10/2025
Chair, University Committee on Courses and Curricula (Digitally signed by Andy D. Perkins Date: 2025.03.13 14:31:19 -05'00')	
Chair, Graduate Council(if applicable)	
Chair, Deans Council	March 26th, 2025

DEGREE MODIFICATION OUTLINE FORM

CURRENT Degree Description		PROPOSED Degree Description	
Degree: Undergraduate Minor in Business Analytics :		Degree: Undergraduate Minor in Business Analytics	
The minor will provide students with both an appreciation of the use of analytic techniques in business and the practical skills to implement and understand these techniques. Students completing the minor will obtain a range of real-world technical skills, such as using R, SAS, Tableau, and Excel. They will also gain insight into a wide range of business problems and scenarios. A specific niche/competitive advantage of this program is that students will be introduced to a range of software, such as widely used free analytics software (e.g., R). The minor will give commercially useful skills to many existing business students, such as those in accounting, business administration, business information systems, business economics, finance, and marketing. It also will provide business analytic skills for many non-business majors in areas such as computer science, engineering, mathematics, and psychology.		The minor will provide students with both an appreciation of the use of analytic techniques in business and the practical skills to implement and understand these techniques. Students completing the minor will obtain a range of real-world technical skills, such as using R, SAS, Tableau, and Excel. They will also gain insight into a wide range of business problems and scenarios. A specific niche/competitive advantage of this program is that students will be introduced to a range of software, such as widely used free analytics software (e.g., R). The minor will give commercially useful skills to many existing business students, such as those in accounting, business administration, business information systems, business economics, finance, and marketing. It also will provide business analytic skills for many non-business majors in areas such as computer science, engineering, mathematics, and psychology.	
CURRENT CURRICULUM OUTLINE	Required Hours	**PROPOSED CURRICULUM OUTLINE**	Required Hours
Analytics Skills (choose 3) BQA 4413 Business Forecasting and Predictive Analytics BQA 4423 Business Decision Analysis *ECON 4643 Econ Forecasting & Analysis* BIS 3753 Business Database Systems	*9*	**Analytics Skills (choose 3)** BQA 4413 Business Forecasting and Predictive Analytics BQA 4423 Business Decision Analysis **EC 4643 Introduction to Econometrics** BIS 3753 Business Database Systems	**9**
Analytics Applications (choose 2) ACC 3003 Accounting Systems I ACC 3053 Accounting Systems II BIS 3753 Business Database Systems BIS 4533 Decision Support Systems CSE 4633 Artificial Intelligence CSE 4503 Database Management Systems CSE 4490 Computational Intelligence FIN 4243 Senior Seminar in Financial Management FIN 4423 Investments *MKT 4033 International Transportation* *MKT 4333 International Supply Chain Management* MKT 4533 Marketing Research	*6*	**Analytics Applications (choose 2)** ACC 3003 Accounting Systems I ACC 3053 Accounting Systems II BIS 3753 Business Database Systems BIS 4533 Decision Support Systems CSE 4633 Artificial Intelligence CSE 4503 Database Management Systems CSE 4490 Computational Intelligence FIN 4243 Senior Seminar in Financial Management FIN 4423 Investments **MKT 4213 Internet Marketing** **MKT 4223 Social Media Marketing** MKT 4533 Marketing Research **SCL 4033 International Transportation** **SCL 4333 Supply Chain Process Analysis**	**6**
Total Hours	15	Total Hours	15
*BIS 3753 can only count once, for either the skills or the applications section.		*BIS 3753 can only count once, for either the skills or the applications section.	

MEMO:

UCCC Chair

MISSISSIPPI STATE UNIVERSITY
MARKETING, QUANTITATIVE ANALYSIS AND BUSINESS LAW

From: Robert Moore, Chair, Department Curriculum Committee

Date: January 21, 2025
Re: Letter of Support for Business Analytics Minor Degree Update

The Department faculty have reviewed the proposed Business Analytics Minor update for courses to reflect new codes and a change in title. Two additional Marketing courses are added to allow Marketing majors to complete the minor. In lieu of signing, an email statement of support/non-support is acceptable.

Faculty	Support	Do Not Support	Signature	Date
Dr. Frank Adams	☑	☐		21 Jan 25
Dr. Iva Ballard	☑	☐	Iva B Ballard	01/21/2025
Dr. Chris Boone	☑	☐		21 Jan 25
Dr. Mike Breazeale	☑	☐		21 Jan 25
Dr. Joel Collier	☑	☐		1-21-25
Dr. Shelby Dudgeon	☑	☐	Shelby Dudgeon	1-24-25
Dr. Stephen France	☑	☐		01/21/25
Dr. Lu He	☑	☐		1/22/25
Dr. Bingyan Hu	☒	☐	SEE ATTACHED	
Dr. Myles Landers	☑	☐		1/22/25
Dr. Jason Lueg	☒	☐		1/28/25
Dr. Robert Moore	☒	☐		1/21/25
Dr. Melissa Moore	☑	☐		1-21-25
Dr. Sheida Riahi	☑	☐	Sheida Riahi	1/21/25
Dr. Kevin Shanahan	☑	☐		1/21/25
Dr. Jason Shin	☑	☐		1/24/25
Ms. Emily Stokes	☐	☐		

Moore, Robert

From: Zhuo, Yueran
Sent: Tuesday, January 21, 2025 12:25 PM
To: Moore, Robert
Subject: RE: Letter of Support for Business Analytics Minor Change

Dear Rob,

Please consider this email as my supporting statement for the Business Analytics Minor Change. Thank you!

Best,
Yueran

We Ring True!

Yueran Zhuo, PhD
Assistant Professor of Business Analytics
Department of Marketing, Quantitative Analysis & Business Law
324 McCool Hall
Mailstop 9582
College of Business
Mississippi State, MS 39759

Office: 662-325-1998
Email: yzhuo@business.msstate.edu
Web page: https://www.business.msstate.edu/directory/yz469
Linkedin: https://www.linkedin.com/in/yueran-zhuo-3637391bb/

From: Moore, Robert
Sent: Tuesday, January 21, 2025 11:27 AM
To: Adams, Frank <fadams@business.msstate.edu>; Ballard, Iva <IBallard@business.msstate.edu>; Boone, Christopher <cboone@business.msstate.edu>; Breazeale, Mike <mbreazeale@business.msstate.edu>; Collier, Joel <JCollier@business.msstate.edu>; Dudgeon, Shelby <SDudgeon@business.msstate.edu>; France, Stephen <sfrance@business.msstate.edu>; He, Lu <lhe@business.msstate.edu>; Hu, Bingyan <bhu@business.msstate.edu>; Landers, Myles <vlanders@business.msstate.edu>; Lueg, Jason <JLueg@business.msstate.edu>; Moore, Melissa <mmoore@business.msstate.edu>; Riahi, Sheida <sr1315@msstate.edu>; Shanahan, Kevin <KShanahan@business.msstate.edu>; Shin, Jason <jshin@business.msstate.edu>; Stokes, Emily <ekd47@msstate.edu>; Story, Keith <kstory@business.msstate.edu>; Walton, Laura <LWalton@business.msstate.edu>; Xu, Eric <exu@business.msstate.edu>; Zhuo, Yueran <yzhuo@business.msstate.edu>
Subject: Letter of Support for Business Analytics Minor Change

Greetings,

We are in the process of making a Business Analytics Minor Change.
I have a letter of support/non support for this change for your consideration in the copy room.

Moore, Robert

From: Hu, Bingyan
Sent: Tuesday, January 21, 2025 5:31 PM
To: Moore, Robert
Subject: Re: Letter of Support for Business Analytics Minor Change

I support this.

Best
Bing

From: Moore, Robert <RMoore@business.msstate.edu>
Date: Tuesday, January 21, 2025 at 11:26 AM
To: Adams, Frank <fadams@business.msstate.edu>, Ballard, Iva <IBallard@business.msstate.edu>, Boone, Christopher <cboone@business.msstate.edu>, Breazeale, Mike <mbreazeale@business.msstate.edu>, Collier, Joel <JCollier@business.msstate.edu>, Dudgeon, Shelby <SDudgeon@business.msstate.edu>, France, Stephen <sfrance@business.msstate.edu>, He, Lu <lhe@business.msstate.edu>, Hu, Bingyan <bhu@business.msstate.edu>, Landers, Myles <vlanders@business.msstate.edu>, Lueg, Jason <JLueg@business.msstate.edu>, Moore, Melissa <mmoore@business.msstate.edu>, Riahi, Sheida <sr1315@msstate.edu>, Shanahan, Kevin <KShanahan@business.msstate.edu>, Shin, Jason <jshin@business.msstate.edu>, Stokes, Emily <ekd47@msstate.edu>, Story, Keith <kstory@business.msstate.edu>, Walton, Laura <LWalton@business.msstate.edu>, Xu, Eric <exu@business.msstate.edu>, Zhuo, Yueran <yzhuo@business.msstate.edu>
Subject: Letter of Support for Business Analytics Minor Change

Greetings,

We are in the process of making a Business Analytics Minor Change.
I have a letter of support/non support for this change for your consideration in the copy room.

If you could, provide your vote by FEB 4th.

The proposed Business Analytics Minor update will reflect new SCM codes and a change in title. Two additional Marketing courses are added to allow Marketing majors to complete the minor.

In lieu of signing, an email statement of support/non-support is acceptable.

Rob

Robert S. Moore, Ph.D.
Hunter Henry Fellow & Professor of Marketing
Department of Marketing, Quantitative Analysis & Business Law
324 H McCool
Office: (662) 325-8648

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 Business **Department:** Mgmt & IS

Contact Person: Rebecca Long **Mail Stop:** 9581 **E-mail:** rgl8@msstate.edu

Nature of Change: Addition **Date Initiated:** _____

Current Degree Program Name: Bachelor of Business Administration

Current Major: _____

Current Concentration(s): _____

Current Campus(es): Starkville

New Degree Program Name: Bachelor of Business Administration **Effective Date:**

Semester	Year
Fall	2025

Proposed Major: Entrepreneurship

Proposed Concentration(s): _____ **Proposed Campus(es):** Starkville

Summary of Proposed Changes:

Adding a major in Entrepreneurship

Approved: **Date:**

Laura Marler — 11/20/2024

Department Head

Director of Academic Quality — 11/12/2024

Randall Campbell — 11-20-2024

Chair, College or School Curriculum Committee

Kevin Rogers Digitally signed by Kevin Rogers Date: 2024.11.20 09:08:07 -06'00'

Dean of College or School

Digitally signed by Andy D. Perkins Date: 2025.03.13 14:31:37 -05'00'

Chair, University Committee on Courses and Curricula

Chair, Graduate Council (If applicable)

Peter Liam Ryan — March 26th, 2025

Chair, Deans Council

Template for NEW PROGRMS (see Guide and Format for further information)

1. Justification for the New Degree Program including how it meets the mission of the university.

Education in entrepreneurship increases student creativity and innovation as well as development of professional skills such as teamwork, communications, and time management. Moreover, students with an earned degree in this area are better able to identify and execute business opportunities. Thus, a major in entrepreneurship supports the university's mission to provide access and opportunity to all sectors of the state and, especially furthers the university's role in economic development.

2. Catalog Description and Curriculum Outline-insert the template here:

NEW DEGREE 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. Expand rows as needed.

PROPOSED New Degree	
Degree: **Bachelor of Business Administration** Major: **Entrepreneurship** Concentration: **n/a**	
Catalog description: **Entrepreneurship Major (ENTR)** **The major in Entrepreneurship prepares students for success as dynamic entrepreneurs in the private, public, and nonprofit sectors. It cultivates the skills and entrepreneurial mindset needed to launch new ventures or lead innovation in existing businesses and family firms.**	
Proposed Curriculum Outline	**Required** **Hours**
General Education Core	**33**
English (General Education): EN 1103 or EN 1104 EN 1113 or EN 1173	6

Fine Arts (General Education):	3
Science 2 Lab Sciences from Gen Ed	6
Quantitative Reasoning MA 1613 or MA 1713 [1] BQA 2113 or MA 2113 or ST 2113	6
Humanities (General Education):	6
Social/Behavioral Sciences (Gen Ed): PS 1113 Choose one from General Education courses excluding AEC and EC	6
College Core	**47**
MA 1313 College Algebra [1] BIS 1012 Intro to Business Information Systems or TECH 1273 BQA 3123 Business Statistical Methods II ACC 2013 Principles of Financial Accounting ACC 2023 Principles of Managerial Accounting EC 2113 Principles of Macroeconomics EC 2123 Principles of Microeconomics BL 2413 The Legal Environment of Business BIS 3233 Management Information Systems SCL 3323 International Logistics FIN 3123 Financial Management MKT 3013 Principles of Marketing	

MGT 3113 Principles of Management BUS 4853 Strategic Management Oral Communication Requirement CO 1003 Fund of Public Speaking **or** CO 1013 Intro to Communication Writing Requirement MGT 3213 Organizational Communications	

Major Core Courses	**18**
ENTR 3313 Innovation & Creativity	3
ENTR 3323 Entrepreneurship	3
ENTR 3333 Experiential Innovation & Entrepreneurship **OR** ENTR 3713 Family Business Management	3
BL 4243 Legal Aspects of Entrepreneurship	3
FIN 4323 Entrepreneurial Finance/Venture Cap	3
ENTR 4333 Business Venture Creation	3
Elective Courses	**9**
MGT 3813 Organizational Behavior	3
MGT 3823 Responsible Leadership	3
MGT 3513 Intro to HR	3
MGT 4543 Compensation Management	3
MGT 4533 Advanced Human Resources	3
MGT 4613 Cross-Cultural Management	3
MGT 4563 Staffing (Fall Only)	3
MKT 4113 Personal Selling	3
MKT 4613 Services Marketing	3
REF 3333 Principles of Real Estate	3
MKT 4413 Consumer Behavior	3
BQA 4423 Business Decision Analysis	3

SCL 4313 Physical Distribution	3
Study abroad (OSA) – ENTR section (not for credit)	0
Free Electives (1000 level courses taken in the College of Business OR outside the College of Business)	**13**
Total Hours	**120**

Note [1]

The course description for MA 1313 already states that you can't get credit for 1313 if you have 1713 first. This is the same for all BBA majors and has not been a problem. We advise students to take MA 1313 before MA 1613 and list it in that order on year-by-year curriculum sheets and flowcharts. Very few of our students take MA 1713, with most starting out in other majors. We never advise them to go back and take MA 1313 and just substitute a free elective into its place in degree works. (email correspondence per Kevin Rogers, COB Associate Dean)

3. Describe the coherence and increasing rigor of the program.

    a. Undergraduate Programs: Provide evidence that 3000-level and 4000-level courses are designed to provide a coherent program of study that enhances the degree.

Major courses are intended to progress from the foundational 3000-level courses ENTR 3313, which provides students with an introduction to the innovation and creativity that underly entrepreneurial endeavors, and ENTR 3323, which introduces the processes involved in starting and operating a business to field experience courses (ENTR 3333 or ENTR 3713) and ending with 4000-level courses from the specific intricacies of the legal aspects of establishing a new business (ENTR 4243), venture capital financing of the startup firm (ENTR 4323) to the capstone course involving the use of the above course materials as well as general business courses (e.g., MKT, ACC, BIS) necessary to produce a successful business plan/new venture.

    b. Graduate Programs: Provide evidence that the design of the program is not just a collection of graduate courses.

4. Student Learning Outcomes

Planning & Developing Quality Student Learning Outcomes for Program		
Student Learning Outcomes for Program		
SLO #1 Identify business opportunities by using cutting-edge analytical tools and problem-solving skills.	Methodology for Assessment Including criteria for success	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term, ENTR 3313, ENTR 3323, ENTR 4333
SLO #2 Communicate clearly and effectively using both written and oral forms of communication, to develop and evaluate business plans and funding proposals.	Methodology for Assessment	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term ENTR 3313, ENTR 3323, ENTR 3713, ENTR 4333
SLO #3 Apply relevant financial principles to assess startup capital needs, cash flow needed for growth, break-even analysis and pre-and post-funding valuation.	Methodology for Assessment	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term ENTR 3323, FIN 4323, ENTR 4333
SLO #4 Effectively understand and implement a marketing plan for a new venture.	Methodology for Assessment	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term ENTR 3323, ENTR 4333
SLO #5 Apply understanding of legal and ethical issues related to owning a business, and the responsibility to both investors and employees.	Methodology for Assessment	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term BL 4243, ENTR4333

Student Learning Outcome		Course 1 ENTR 3313	Course 2 ENTR 3323/ENTR 3713	Course 3 BL 4243	Course 4 FIN 4323	Course 5 ENTR 4333
SLO #1 Identify business opportunities by using cutting-edge analytical tools and problem-solving skills.	Curriculum*	I	T			A
	Methodology	End of term examination using a specified set of applicable questions; Success criterion = score of 75%	End of term examination using a specified set of applicable questions; Success criterion = score of 75%			End of term project; Success criterion = score of 75%
	Assessment Timing	End of term	End of term			End of term
SLO #2 Communicate clearly and effectively using both written and oral forms of communication, to develop and evaluate business plans and funding proposals.	Curriculum Point		I		T	A
	Methodology		End of term examination using a specified set of applicable questions; Success criterion = score of 75%		End of term examination using a specified set of applicable questions; Success criterion = score of 75%	End of term project; Success criterion = score of 75%
	Assessment Timing		End of term		End of term	End of term
SLO #3 Apply relevant financial principles to assess startup capital needs, cash flow needed for growth, break-even analysis and pre-and post-funding valuation.	Curriculum Point		I		T	A
	Methodology		End of term examination using a specified set of applicable questions; Success criterion = score of 75%		End of term examination using a specified set of applicable questions; Success criterion = score of 75%	End of term project; Success criterion = score of 75%
	Assessment Timing		End of term		End of term	End of term

SLO #4 Effectively understand and implement a marketing plan for a new venture.	Curriculum Point		I			A
	Methodology		End of term examination using a specified set of applicable questions; Success criterion = score of 75%			End of term project; Success criterion = score of 75%
	Assessment Timing		End of term			End of term
SLO #5 Apply understanding of legal and ethical issues related to owning a business, and the responsibility to both investors and employees.	Curriculum Point			I		A
	Methodology			End of term examination using a specified set of applicable questions; Success criterion = score of 75%		End of term project; Success criterion = score of 75%
	Assessment Timing			End of term		End of term

5. Proposed 4-letter Abbreviation
   ENTR
6. CIP Number (contact Director of Academic Quality for help in determining number)
   52.0701

7. Attach Letters of Support

Date: November 11, 2024

To: University Committee on Courses and Curricula

Dear Colleagues:

The management faculty supports creation of a new major in **Entrepreneurship**. Via e-mail and on file in the M&IS department, each faculty member listed below has indicated whether they support or do not support this change

Faculty:	Support	Do not support
Laura Marler, Professor of Management and Head	X	
Rebecca Long, Professor of Management	X	
Jim Chrisman, Professor of Management	X	
Mel Fugate, Professor of Management	X	
Parker Ellen, Associate Professor of Management	X	
Jorge Arteaga-Fonseca, Assistant Professor of Management	X	
Nathan Black, Assistant Professor of Management	X	
Jennifer Sexton, Assistant Professor of Management	X	
Michele Medina, Assistant Professor of Management	X	
Erik Markin, Assistant Professor of Management	X	
Chelsea Sherlock, Assistant Professor of Management	X	
Steve Kofford, Assistant Professor of Management	X	
Nick Pashos, Assistant Professor of Practice	X	

Rebecca Long

M&IS Departmental Curriculum Committee

Date: November 11, 2024

To: University Committee on Courses and Curricula

Dear Colleagues:

The management faculty supports the creation of a new course, **ENTR 3313-Creativity & Innovation**. Via e-mail and on file in the M&IS department, each faculty member listed below has indicated whether they support or do not support this change

Faculty:	Support	Do not support
Laura Marler, Professor of Management and Head	X	
Rebecca Long, Professor of Management	X	
Jim Chrisman, Professor of Management	X	
Mel Fugate, Professor of Management	X	
Parker Ellen, Associate Professor of Management	X	
Jorge Arteaga-Fonseca, Assistant Professor of Management	X	
Nathan Black, Assistant Professor of Management	X	
Jennifer Sexton, Assistant Professor of Management	X	
Michele Medina, Assistant Professor of Management	X	
Erik Markin, Assistant Professor of Management	X	
Chelsea Sherlock, Assistant Professor of Management		X
Steve Kofford, Assistant Professor of Management	X	
Nick Pashos, Assistant Professor of Practice	X	

Rebecca Long

M&IS Departmental Curriculum Committee

Date: November 11, 2024

To: University Committee on Courses and Curricula

Dear Colleagues:

The management faculty supports creation of a new course, **ENTR 4333-Business Venture Creation**. Via e-mail and on file in the M&IS department, each faculty member listed below has indicated whether they support or do not support this change

Faculty:	Support	Do not support
Laura Marler, Professor of Management and Head	X	
Rebecca Long, Professor of Management	X	
Jim Chrisman, Professor of Management	X	
Mel Fugate, Professor of Management	X	
Parker Ellen, Associate Professor of Management	X	
Jorge Arteaga-Fonseca, Assistant Professor of Management	X	
Nathan Black, Assistant Professor of Management	X	
Jennifer Sexton, Assistant Professor of Management	X	
Michele Medina, Assistant Professor of Management	X	
Erik Markin, Assistant Professor of Management	X	
Chelsea Sherlock, Assistant Professor of Management	X	
Steve Kofford, Assistant Professor of Management	X	
Nick Pashos, Assistant Professor of Practice	X	

Rebecca Long

M&IS Departmental Curriculum Committee

Date: November 11, 2024

To: University Committee on Courses and Curricula

Dear Colleagues:

The management faculty supports adoption of a new subject prefix (**ENTR**) for the proposed major in **Entrepreneurship,** and the change of existing course MGT 3713 (Family Business Management) to **ENTR 3713-Family Business Management** as well as of MGT 3333 (Field Studies in Entrepreneurship) to **ENTR 3333-Experiential Innovation & Entrepreneurship.** Via e-mail and on file in the M&IS department, each faculty member listed below has indicated whether they support or do not support this change

Faculty:	Support	Do not support
Laura Marler, Professor of Management and Head	X	
Rebecca Long, Professor of Management	X	
Jim Chrisman, Professor of Management	X	
Mel Fugate, Professor of Management	X	
Parker Ellen, Associate Professor of Management	X	
Jorge Arteaga-Fonseca, Assistant Professor of Management	X	
Nathan Black, Assistant Professor of Management	X	
Jennifer Sexton, Assistant Professor of Management	X	
Michele Medina, Assistant Professor of Management	X	
Erik Markin, Assistant Professor of Management	X	
Chelsea Sherlock, Assistant Professor of Management		X
Steve Kofford, Assistant Professor of Management	X	
Nick Pashos, Assistant Professor of Practice	X	

Rebecca Long

M&IS Departmental Curriculum Committee

Date: November 11, 2024

To: University Committee on Courses and Curricula

Dear Colleagues:

The department heads over Finance & Economics as well as Marketing Quantitative Analysis & Business Law support creation of a new major in **Entrepreneurship** and indicate the willingness of their respective departments to have their classes included in the new major. Via e-mail and on file in the M&IS department the department heads listed below have indicated whether they support or do not support this change.

Faculty:	Support	Do not support
Kathleen Thomas, Professor & Head, Department of Finance & Economics	X	
Melissa Moore, Professor & Head, Department of Marketing Quantitative Analysis & Business Law	X	

Rebecca Long

M&IS Departmental Curriculum Committee

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8
(Submit in PDF format with signatures.)

Institution:	Mississippi State University
Date of anticipated implementation:	August 2025
Program title as it will appear on Academic Program Inventory, Diploma, and Transcript:	Entrepreneurship
Name of degree(s) to be awarded:	Bachelor of Business Administration
Six-digit CIP code:	52.0701
Total credit-hour requirement to earn the degree:	120
Responsible academic unit:	Dept of MGT & IS, College of Business
Institutional contact:	Click or tap here to enter text.
Phone:	
Email:	
SACSCOC Substantive Change:	☒ Program proposed **IS NOT** a substantive change. ☐ Program proposed **IS** a substantive change.
Incremental, five-year cost of implementation:	Click or tap here to enter text.
Incremental, five-year per student cost of implementation:	Click or tap here to enter text.
Potential five-year, new revenue:	Click or tap here to enter text.
Potential new, five-year revenue per student:	Click or tap here to enter text.
Will it attract new students to the university?	☒ Yes ☐ No
List any institutions within the State offering similar programs:	University of Mississippi; Mississippi College

Number of students expected to enroll in first 5 years:		Number of students expected to graduate in first 5 years:	
Year 1	10	Year 1	0
Year 2	15	Year 2	0
Year 3	20	Year 3	5
Year 4	25	Year 4	10
Year 5	30	Year 5	20
Total	100	Total	30

Program summary (include second majors completed, if applicable):

Entrepreneurship major prepares students for success as dynamic entrepreneurs in the private, public, and nonprofit sectors. It cultivates the skills and entrepreneurial mindset needed to launch new ventures or lead innovation in existing businesses and family firms.

The audit of recently approved academic programs ensures that the program outcomes are congruent with the Board-approved proposal.

Please respond to the questions on the following pages to aid the institution and IHL staff in making recommendations to the IHL Board of Trustees.

Chief Academic Officer Signature – Date

Institutional Executive Officer Signature – Date

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8
(Submit in PDF format with signatures.)

New Academic Degree Program Questions:

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 Department Head of Management and Information Systems (MIS) and Curriculum Representative for the MIS Department will be responsible for curriculum development and ongoing program review. Management faculty in the area of entrepreneurship have been involved in discussions that have helped shape the curriculum. We have also worked with the Director of the Center for Entrepreneurship and Outreach as we developed the curriculum. Finally, we have discussed plans with the College of Business Dean who is supportive of adding an entrepreneurship major.

2 Describe the educational objectives of the degree program including the specific objectives of any concentrations, emphases, options, specializations, tracks, etc.

SLO #1 Identify business opportunities by using cutting edge analytical tools and problem-solving skills
SLO #2 Communicate clearly and effectively using both written and oral forms of communication, to develop and evaluate business plans and funding proposals.
SLO #3Apply relevant financial principles to assess startup capital needs, cash flow needed for growth, break-even analysis and pre-and post-funding valuation
SLO #4 Effectively understand and implement a marketing plan for a new venture.
SLO #5 Apply understanding of legal and ethical issues related to owning a business, and the responsibility to both investors and employees.

3 Describe any special admission requirements for the degree program including any articulation agreements that have been negotiated or planned.

n/a

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

This program will be in the College of Business and fall under AACSB accreditation.

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.

Click or tap here to enter text.

PROPOSED New Degree	
Degree: **Bachelor of Business Administration** Major: **Entrepreneurship** Concentration: **n/a**	
Catalog description: **Entrepreneurship Major (ENTR)** **The major in Entrepreneurship prepares students for success as dynamic entrepreneurs in the private, public, and nonprofit sectors. It cultivates the skills and entrepreneurial mindset needed to launch new ventures or lead innovation in existing businesses and family firms.**	
Proposed Curriculum Outline	**Required Hours**
General Education Core	**33**
English (General Education): EN 1103 or EN 1104 EN 1113 or EN 1173	6
Fine Arts (General Education):	3
Science	6

2 Lab Sciences from Gen Ed	
Quantitative Reasoning MA 1613 or MA 1713 BQA 2113 or MA 2113 or ST 2113	6
Humanities (General Education):	6
Social/Behavioral Sciences (Gen Ed): PS 1113 Choose one from General Education courses excluding AEC and EC	6
College Core	**47**
MA 1313 College Algebra BIS 1012 Intro to Business Information Systems or TECH 1273 BQA 3123 Business Statistical Methods II ACC 2013 Principles of Financial Accounting ACC 2023 Principles of Managerial Accounting EC 2113 Principles of Macroeconomics EC 2123 Principles of Microeconomics BL 2413 The Legal Environment of Business BIS 3233 Management Information Systems SCL 3323 International Logistics FIN 3123 Financial Management MKT 3013 Principles of Marketing MGT 3113 Principles of Management BUS 4853 Strategic Management <u>Oral Communication Requirement</u> CO 1003 Fund of Public Speaking **or** CO 1013 Intro to Communication <u>Writing Requirement</u> MGT 3213 Organizational Communications	
Major Core Courses	**18**
ENTR 3313 Innovation & Creativity	3
ENTR 3323 Entrepreneurship	3
ENTR 3333 Experiential Innovation & Entrepreneurship OR ENTR 3713 Family Business Management	3
BL 4243 Legal Aspects of Entrepreneurship	3
FIN 4323 Entrepreneurial Finance/Venture Cap	3
ENTR 4333 Business Venture Creation	3
Elective Courses	**9**
MGT 3813 Organizational Behavior	3
MGT 3823 Responsible Leadership	3
MGT 3513 Intro to HR	3
MGT 4543 Compensation Management	3
MGT 4533 Advanced Human Resources	3
MGT 4613 Cross-Cultural Management	3
MGT 4563 Staffing (Fall Only)	3
MKT 4113 Personal Selling	3
MKT 4613 Services Marketing	3
REF 3333 Principles of Real Estate	3
MKT 4413 Consumer Behavior	3
BQA 4423 Business Decision Analysis	3

SCL 4313 Physical Distribution	3
Study abroad (OSA) – ENTR section (not for credit)	0
Free Electives	**13**
Total Hours	**120**

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 in order to begin the program, give the desired qualifications of the persons to be added.

Table with Newly Proposed ENT Major Courses or Courses that will Change Names or Subjects

ENTR Major Course Additions/Changes	Current Annual Offerings	Proposed Annual Offerings	Additional Faculty Required	Additional Annual Offerings	Faculty	Staffing Implications
ENTR 3713 Family Business Management (Currently MGT 3713)	1/1 Fall/Spring	2/2 Fall/Spring	No	N/A	Dr. Chelsea Sherlock, Assistant Professor of Management 2x2 load	N/A – We have already shifted to offering 2 sections of this course.
ENTR 3313 Innovation & Creativity	0/0	1/1 Fall/Spring	Not currently	Year 3 (if program increases by 20 majors)	Dr. Rebecca Long, Professor of Management 2x2 load	We will staff the online section of BUS 4853 with a lecturer until program growth is determined and additional faculty can be hired.
ENTR 3333 Experiential Innovation & Entrepreneurship (Currently MGT 3333 Field Studies in Entre)	0/1 Spring only	1/1 Fall/Spring	Not currently	Year 3 (if program increases by 20 majors)	Dr. Erik Markin, Assistant Professor of Management 2x2 load	In Year 3, we will staff a section of BUS 4853 with a lecturer until program growth is determined and additional faculty can be hired.
ENTR 4333- Business Venture Creation	0/0 Fall/Spring	0/1- Year 1 Fall/Spring 1/1 – Year 2 Fall/Spring	Yes – In Year 2 if growth is sustained.	Year 2 (if program increases by 20 majors)	Dr. Nick Pashos, Director of Entrepreneurship & Outreach will teach 1 section; additional fall sections will be taught by Dr. Erik Markin.	In Year 2, we will staff a section of BUS 4853 with a lecturer until program growth is determined and additional faculty can be hired.

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8

(Submit in PDF format with signatures.)

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 current library holdings are sufficient. We will supplement as needed with LinkedIn Learning materials.

8 Describe the procedures for evaluation of the program and its effectiveness in the first five 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.

See attached ENTR Program Outcome Plan for assessment of student learning outcomes. Student admission and retention numbers will be monitored and adjustments will be made to expand the program as demand increases. The MIS Department Head will communicate with the College of Business (COB) Dean as well as COB advising Office Assistant Dean. Given the nature of entrepreneurship, it is expected that many students will create their own job opportunities. MSU's Center for Entrepreneurship and Outreach offers programs to help.

Planning & Developing Quality Student Learning Outcomes for Program		
Student Learning Outcomes for Program		
SLO #1 Identify business opportunities by using cutting-edge analytical tools and problem-solving skills.	Methodology for Assessment Including criteria for success	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term, ENTR 3313, ENTR 3323, ENTR 4333
SLO #2 Communicate clearly and effectively using both written and oral forms of communication, to develop and evaluate business plans and funding proposals.	Methodology for Assessment	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term ENTR 3313, ENTR 3323, ENTR 3713, ENTR 4333
SLO #3 Apply relevant financial principles to assess startup capital needs, cash flow needed for growth, break-even analysis and pre-and post-funding valuation.	Methodology for Assessment	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term ENTR 3323, FIN 4323, ENTR 4333
SLO #4 Effectively understand and implement a marketing plan for a new venture.	Methodology for Assessment	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term ENTR 3323, ENTR 4333
SLO #5 Apply understanding of legal and ethical issues related to owning a business, and the responsibility to both investors and employees.	Methodology for Assessment	End of term examination using a specified set of applicable questions; Success criterion = score of 75% End of term project; Success criterion = score of 75%
	Assessment Timing	End of term BL 4243, ENTR4333

*Note below which courses address the learning outcomes within the program. "I" indicates where a concept is introduced and "T" indicates an initial or interim assessment, and "A" indicates the culminating assessment point
Methodology-includes the assessment, alignment, and criteria for success

Student Learning Outcome		Course 1 ENTR 3313	Course 2 ENTR 3323/ENTR 3713	Course 3 BL 4243	Course 4 FIN 4323	Course 5 ENTR 4333
SLO #1 Identify business opportunities by using cutting-edge analytical tools	Curriculum*	I	T			A
	Methodology	End of term examination using a specified set of applicable questions;	End of term examination using a specified set of applicable questions;			End of term project; Success criterion = score of 75%

and problem-solving skills.		Success criterion = score of 75%	Success criterion = score of 75%			
	Assessment Timing (Assessed min. 3X during program)	End of term	End of term			End of term
SLO #2 Communicate clearly and effectively using both written and oral forms of communication, to develop and evaluate business plans and funding proposals.	Curriculum Point		I		T	A
	Methodology		End of term examination using a specified set of applicable questions; Success criterion = score of 75%		End of term examination using a specified set of applicable questions; Success criterion = score of 75%	End of term project; Success criterion = score of 75%
	Assessment Timing (Assessed min. 3X during program)		End of term		End of term	End of term
SLO #3 Apply relevant financial principles to assess startup capital needs, cash flow needed for growth, break-even analysis and pre-and post-funding valuation.	Curriculum Point		I		T	A
	Methodology		End of term examination using a specified set of applicable questions; Success criterion = score of 75%		End of term examination using a specified set of applicable questions; Success criterion = score of 75%	End of term project; Success criterion = score of 75%
	Assessment Timing (Assessed min. 3X during program)		End of term		End of term	End of term
SLO #4 Effectively understand and implement a marketing plan for a new venture.	Curriculum Point		I			A
	Methodology		End of term examination using a specified set of applicable questions; Success criterion = score of 75%			End of term project; Success criterion = score of 75%
	Assessment Timing (Assessed min. 2X during program)		End of term			End of term
SLO #5 Apply understanding of legal and ethical issues related to owning a business, and the	Curriculum Point			I		A
	Methodology			End of term examination using a specified set of applicable questions;		End of term project; Success criterion = score of 75%

responsibility to both investors and employees.				Success criterion = score of 75%		
	Assessment Timing (Assessed min. 2X during program)			End of term		End of term

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

We expect to advertise the program to incoming students and current students who are pursuing the more general business administration program. We have estimated based on the feedback we have received from reaching out to current students who are in general business administration.

10 Using expected enrollment, provide the total anticipated budget for the program including implementation and 4 subsequent years (total of 5 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.

Please explain what has been included in the costs and revenues.

Start-Up Costs: one-time costs associated with offering this program

Direct, Incremental Costs: additional annual costs to the university as a result of offering this program

Incremental Revenue: additional annual revenue assuming that this program will bring in new students paying full tuition

Non-Tuition Revenue: external funds, grants, contracts or other revenues attributable to the addition of this program

Differential: all revenues minus all costs

Year	Incoming Students	Total Enrollment	Start-Up Costs	A Additional Annual Costs	B Additional Annual Revenue	C Non-Tuition Revenue	(B+C)-A Differential
2023-24	0	0	$0.00	$0.00	$0.00	$0.00	$0.00
2024-25	0	0	$0.00	$0.00	$0.00	$0.00	$0.00
2025-26	0	0	$0.00	$0.00	$0.00	$0.00	$0.00
2026-27	0	0	$0.00	$0.00	$0.00	$0.00	$0.00
2027-28	0	0	$0.00	$0.00	$0.00	$0.00	$0.00
TOTAL	0	0	$0.00	$0.00	$0.00	$0.00	$0.00

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

☒ Survey of Student Interest

Number of surveys administered: 520
Number of completed surveys returned: 180
Percentage of students interested in program: 57%

Include a brief statement that provides additional information to explain the survey.
Students were asked if they would major in entrepreneurship if that were an option. They were also asked if they were interested in starting their own business or planned to return to a family business.

☐ Market Analysis or Evidence of Labor Market Need

Click or tap here to enter text.

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

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8

(Submit in PDF format with signatures.)

n/a – This is a proposed undergraduate major.

Date: February 3, 2025

To: University Committee on Courses and Curricula

Dear Colleagues:

The management faculty supports change of existing course MGT 3323 (Entrepreneurship) to **ENTR 3323 - Entrepreneurship.** This change represents an alteration of the prefix only. Each faculty member listed below has indicated whether they support or do not support this change (digital signatures attached).

Laura Marler, Professor of Management and Head	Signed by: Marler, Laura
Rebecca Long, Professor of Management	Signed by: Rebecca G Long
Jim Chrisman, Professor of Management	AF2F4E2AC0EA40B... Chrisman, Jim
Mel Fugate, Professor of Management	Signed by: Fugate, Mel
Parker Ellen, Associate Professor of Management	Signed by: 737FB93C1C9A499... B. Parker Ellen III
Jorge Arteaga-Fonseca, Assistant Professor of Management	Signed by: Arteaga Fonseca, Jorge
Nathan Black, Assistant Professor of Management	Signed by:
Jennifer Sexton, Assistant Professor of Management	Signed by:
Michele Medina, Assistant Professor of Management	Signed by: BDD73384AA5646E... Michele Medina Craven
Erik Markin, Assistant Professor of Management	Signed by: 3BA2A1D71B7E414... Erik Markin
Chelsea Sherlock, Assistant Professor of Management	Signed by:
Steve Kofford, Assistant Professor of Management	Signed by: Kofford, Steven
Nick Pashos, Assistant Professor of Practice	Signed by: Pashos, Nick

8. Attach IHL Appendix 8

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 Education **Department:** Music

Contact Person: Richard Human **Mail Stop:** 9734 **E-mail:** rh150@msstate.edu

Nature of Change: New Program **Date Initiated:** 9/30/2024

Current Degree (BS, MS, etc.): N/A

Current Major: N/A

Current Concentration(s): N/A

Current Campus(es): ☐ **Starkville** ☐ **Meridian** ☐ **Distance** ☐ **Gulf Coast***

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.): Minor in Audio Production

Effective Date:

Semester Spring** **Year** 2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major: N/A

Proposed Concentration(s): N/A

Proposed Campus(es)

- ☑ Starkville
- ☐ Meridian
- ☐ Distance
- ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering only

Summary of Proposed Changes:

The Department of Music propsoses the creation of a19-hour Minor in Audio Production.

Approved:	Date:
Daniel Stevens Department Head	10.3.24
Dana Pomykal Director of Academic Quality	10/3/24
Chair, College or School Curriculum Committee	11/6/2024
Kim Hall Dean of College or School	11-12-2024
Digitally signed by Andy D. Perkins Date: 2025.03.13 14:32:08 -05'00' Chair, University Committee on Courses and Curricula	
Chair, Graduate Council (if applicable)	
Peter Liam Ryan Chair, Deans Council	March 26th 2025

FOR OIRE USE ONLY

- ☐ Substantive Chance to SACSCOC
- ☐ Notification to SACSCOC
- ☑ No significant departure

OIRE Representative Initials DPC

MISSISSIPPI STATE UNIVERSITY™
DEPARTMENT OF MUSIC

Minor in Audio Production

1. Catalog Description & Curriculum Outline

Proposed New Minor Description	
Minor: Minor in Audio Production	
Catalog Description	
The Audio Production minor is designed to equip students with essential skills for careers in music production, live sound, and audio engineering. Through hands-on courses, students will gain proficiency in cutting-edge technology and industry-standard practices, preparing them for diverse roles in the ever-evolving field of audio production. Students completing the Audio Production minor will be well-positioned for entry-level experiences in: • Music Production and Engineering • Live Sound and Event Audio Management • Audio Post-Production for Film, Television, and Games • Podcast and Radio Production • Music Business and Artist Management This minor is ideal for students seeking to enhance their knowledge of audio technology and production in preparation for further study in the music industry or related fields.	
Proposed Curriculum Outline	
Music Core Courses	
MU 1213 Music Theory I	3
MU 1321 Ear Training I	1
Audio Production Area Courses	
MU 1553 Introduction to Music Technology	3
MU 2573 Microphone Techniques	3
MU 3543 Music Business and Ethics	3
MU 3553 Audio Production 1	3
MU 3563 Audio Production 2	3
Total Hours for the Audio Production Minor	**19**

2. Student Learning Outcomes and Assessment

Upon completion of the Minor in Audio Production, students will be able to:

1. Demonstrate technical proficiency in the use of industry-standard audio production software, hardware, and digital workstations.

2. Apply audio production techniques in recording, editing, mixing, and mastering, in a variety of music and sound environments.

3. Utilize microphone placement and recording methods suited to different instruments and performance settings.

4. Understand the principles of music business and ethics, including contracts, intellectual property, and the responsibilities of producers and artists.

5. Critically analyze and evaluate audio productions, applying knowledge of production techniques to improve sound quality and artistic expression.

The following methods will be used to assess student learning outcomes:

- Practical Projects: Students will complete hands-on projects in recording, mixing, and mastering, which will be evaluated based on technical execution and creativity.

- Written Assignments and Exams: Assessments will measure students' understanding of music business practices, ethical considerations, and theoretical knowledge in audio production.

- Portfolio Development: Students will compile a portfolio of their audio production work, demonstrating their progression in skills and knowledge across the courses.

- Peer and Instructor Critiques: Students will participate in peer reviews and receive feedback from instructors to foster collaborative learning and self-reflection.

- Capstone Project: In the advanced course (MU 3563 Audio Production 2), students will complete a capstone project that showcases their cumulative skills in audio production, which will be assessed by faculty.

3. Justification for a Spring 2025 Effective Date

The formation of a Minor in Audio Production will build upon two courses already being offered:

- MU 1553 Computer Skills for Musicians (being modified to be MU 1553 Introduction to Music Technology). Fall 2024 is the third semester this courses has been offered.

- MU 2990 Special Topic In MU - Recording Studio Techniques 1. The final version of the course is bring proposed as MU 2353 Audio Production 1. This course is meeting Fall 2024. MU 3563 Audio Production 2 is anticipated for Spring 2025.

To facilitate completion of the minor by as many students as possible (in particular those that have completed MU 1553 and are currently in the Special Topics version of MU 3553), we request the minor be made effective Spring 2025.

4. Proposed 4-Letter Abbreviation MUAP

5. CIP Number 50.0913 (Music Technology)

MISSISSIPPI STATE UNIVERSITY

DEPARTMENT OF MUSIC
P.O. Box 6240
Mississippi State, MS 39762
P. 662.325.3070
F. 662.325.0250
Band (662)325.2713
Choral (662)325.3490
www.music.msstate.edu

September 30, 2024

To: College of Education Barry F. Box Council
University Committee on Courses and Curricula

Fr: Department of Music Curriculum Committee

Re: Support for MU 1553, MU 2573, MU 3543, MU 3553, MU 3563; Minor in Audio Production

The Department of Music proposing the creation/modification of the above-named courses in order to create a minor in Audio Production.

The proposals have the unanimous support of the Department of Music Curriculum Committee. We respectfully submit the attached proposal to the Barry F. Box Council and University Committee for Courses and Curricula for your consideration.

Sincerely,

Dr. Amy Catron

Dr. Robert Damm, chair

Dr. Matthew Haislip

Dr. Rosângela Sebba

Dr. Clifton Taylor

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 Education **Department:** ITIDCCL

Contact Person: Gregory M. Francom **Mail Stop:** 9730 **E-mail:** gmf124@msstate.edu

Nature of Change: Modification **Date Initiated:** _____

Current Degree Program Name: Bachelor of Science

Current Major: Information Technology Services

Current Concentration(s): _____

Current Campus(es): Starkville

New Degree Program Name: Bachelor of Science **Effective Date:** 08/01/25

Semester	Year
Fall	2025

Proposed Major: Learning and User Experience Design

Proposed Concentration(s): _____ **Proposed Campus(es):** Starkville

Summary of Proposed Changes:

CIP code recommended: 30.3101; This is a major program modification to the Information Technology Services Program. The new program focus will be Learning and User Experience Design.

Approved: **Date:**

Department Head	09/17/2024
Director of Academic Quality	10/4/24
Chair, College or School Curriculum Committee	11/6/2024
Dean of College or School	11.12.2024
Chair, University Committee on Courses and Curricula (Digitally signed by Andy D. Perkins Date: 2025.03.13 14:32:31 -05'00')	
Chair, Graduate Council (if applicable)	
Chair, Deans Council	March 26th, 2025

1. DEGREE MODIFICATION OUTLINE FORM

Use the chart below to make modifications to an existing undergraduate 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 in both columns. Expand this table as needed.

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Science Major: *Information Technology Services* Concentration:	Degree: Bachelor of Science Major: **Learning and User Experience Design** Concentration:
This curriculum is designed to prepare students for the use of computer-based information systems, particularly software applications and hardware and the development and implementation of information technology end use support and information technology project management. *Minor in business administration. By completing the business requirements for the ITS degree, students may be eligible to receive a minor in Business Administration from the College of Business. ITS majors interested in a minor in business administration should contact an academic coordinator in room 106 McCool Hall.*	**The Learning and User Experience Design (LUX) program prepares students to create engaging and intuitive learning and user experiences. Students learn how to employ human-centered design principles to understand users' needs and use technology to enhance skill development, user experience and user satisfaction.** **Graduates of the LUX program are equipped with the interdisciplinary skills necessary to excel in various roles, such as user experience designer, learning experience designer, instructional designer, interaction designer, product manager, and user-experience researcher.**

CURRENT CURRICULUM OUTLINE	Required Hours	**PROPOSED CURRICULUM OUTLINE**	Required Hours
English (Ex: EN 1103 English Comp I): EN 1103 English Comp I EN 1113 English Comp II	6	English (Ex: EN 1103 English Comp I): EN 1103 English Comp I EN 1113 English Comp II	6
Fine Arts (General Education): any Gen Ed course	3	Fine Arts (General Education): any Gen Ed course	3
Natural Sciences (2 labs required from Gen Ed): any Gen Ed course	6	Natural Sciences (2 labs required from Gen Ed): any Gen Ed course	6
Math/Science Elective: any Gen Ed course	*3*	**Not Required**	

Math (General Education): *MA 1313 College Algebra* *ST 2113 Introduction to Statistics, or* *BQA 2113 Business Statistical Methods I*	*6*	**Quantitative Reasoning (General Education):** **any Gen Ed course**	**3**
Humanities (General Education): any Gen Ed course	6	Humanities (General Education): any Gen Ed course	6
Social/Behavioral Sciences (Gen Ed): any Gen Ed course	6	Social/Behavioral Sciences (Gen Ed): any Gen Ed course	6
Oral Communication Requirement: *CO 1003 Fundamentals of Public Speaking, or* *CO 1013 Introduction to Communication*	*3*		
Computer Literacy Requirement: *TECH 1273 Computer Applications (or other approved course)*	*3*		
Writing Requirement: MGT 3213 Organizational Communications, or INDT 3813 Technical Writing and Presentation for Industry	3	Writing Requirement: MGT 3213 Organizational Communications, or INDT 3813 Technical Writing and Presentation for Industry	3
Current Program		Proposed Changes	
Minor Core: Business Courses *ACC 2013 Principles of Financial Accounting* *ACC 2023 Principles of Managerial Accounting* *BL 2413 The Legal Environment of Business* *EC 2113 Principles of Macroeconomics* *EC 2123 Principles of Microeconomics* MGT 3113 Principles of Management MGT 3513 Introduction to Human Resource Management *BIS 1523 Web Development I* BIS 3233 Management Information Systems	27 *3* *3* *3* *3* 3 3 *3* 3	Major Core: Business Courses MGT 3113 Principles of Management MGT 3513 Introduction to Human Resources Management BIS 3233 Management Information Systems	9 3 3 3

Major Core Courses	51	Major Core Courses	60
TECH 2123 Database Management	*3*	**TECH 1273 Computer Applications**	**3**
TECH 2133 Spreadsheet Design & Analysis	*3*	**TECH 2023 Introduction to Human-Centered Design**	**3**
TECH 3133 Administrative Management and Procedures	*3*	**TECH 2213 Introduction to Artificial Intelligence Infrastructure**	**3**
TECH 3213 Call Center Management	*3*	**TECH 2233 Information and Media Literacy** Type text here	**3**
TECH 3463 Computer Repair & Maintenance	*3*	**TECH 2533 Learning Experience Design**	**3**
TECH 3623 Design Technology Training	*3*	**TECH 3123 Introduction to Experience Design Research**	**3**
		TECH 3223 Experience Design Applications	**3**
		TECH 3313 Computational Thinking	**3**
		TECH 3583 Instructional Graphic Production	**3**
TECH 4203 Emerging Technologies	3	TECH 4203 Emerging Technologies	3
TECH 4343 Information Technology Project Management	3	TECH 4343 Information Technology Project Management	3
TECH 4543 Information Processing	*3*		
TECH 4563 Introduction to Data Networks	*3*		
TECH 4573 Data Networks II	*3*		
TECH 4583 Graphics and Web Design	3	TECH 4583 Graphics and Web Design	3
TECH 4623 Delivery and Evaluation of Technology Training	*3*	**TECH 4523 Experience Design Evaluation**	**3**
		TECH 4613 Application of Artificial Intelligence in UX/LX	**3**
TECH 4683 Senior Seminar	3	**TECH 4683 Senior Seminar in Learning and User Experience Design**	**3**
TECH 4743 Electronic Desktop Publishing	*3*		
TECH 4753 Media for Presentations, Instruction and Gaming	*3*	**TECH 4713 Authoring for Instruction**	**3**
		TECH 4753 Video and Audio Production	**3**
Approved Elective	3	Approved Elective	3
		Approved Elective	**3**

		Approved Elective	**3**
		Endorsement areas (Choose one) **Information Technology Services (18 hours)** **TECH 2123** **TECH 3463** **TECH 4563** **TECH 4573** **TECH 2563** **TECH 2653** **Product Development (18 hours)** **INDT 1003** **INDT 2343** **INDT 2353** **INDT 4443** **INDT elective** **INDT elective** **Art and Graphic Design (18 hours)** **ART 1123** **ART 1133** **ART 2803** **ART 2813** **Choose two more ART classes (at least 6 credit hours) OR Graphic Design Minor (in development)** **Data Science (19 hours)** **Consists of current Data Science minor currently offered at MSU: https://www.datascience.msstate.edu/programs/minor-data-science**	**18-19**
Total Hours	123	Total Hours	120-121

Proposed 4-Letter Abbreviation: LUXD

Proposed Effective Date: Fall Semester (August) 2025

Review/Assessment of the program

The current Information Technology Services (ITS) program emerged from three main areas; business technology education, administrative assisting, and IT services, with no clear career trajectory for graduates. It has not had any significant curriculum revision for many years and enrollment numbers in the ITS program have grown smaller and smaller.

As a result, several actions were taken. Our team conducted a thorough analysis of the existing curriculum and benchmarked it against similar programs at leading universities to identify areas for enhancement. Additionally, we administered an alumni survey to gather feedback on the program's strengths and areas for improvement and what was aligned with the industry. In addition, Dr. Teresa Jayroe, Dean of the College of Education, hired a consultant who worked with our curriculum committee on this revision. This consultant has extensive experience in the Learning and User Experience fields and works at a major research university.

The outside consultant reviewed our degree program and provided key recommendations for its revision. Our committee held several meetings with the outside consultant during the development of this new curriculum as well, gaining feedback and guidance on courses and topics to include. The revision process also involved a meticulous comparison of this new curriculum to a leading academic program in the learning and user experience discipline (Human Experience Design and Interaction at Utah State University). The comparison program has been very successful with high student enrollment, graduation and employment rates. Additional Data gathered included an analysis of potential updated careers that the program prepares students for, including salary ranges, and current job descriptions on employment sites that are a match for the proposed curriculum.

Significant Program Modification Questions:

Will this program change meet local, state, regional, and national educational and cultural needs? If so, please describe.
Learning Experience Design focuses on creating engaging learning experiences by incorporating instructional strategies, technology, and user-centered design principles to optimize knowledge acquisition and skill development. User Experience Design emphasizes crafting intuitive, enjoyable, and functional interactions between users and products or services, considering usability, accessibility, and aesthetics.

This proposed program would primarily meet state, regional and national educational and cultural needs. Learning and User Experience design jobs tend to be found in larger tech-related companies, government agencies and manufacturing and other industrial operations. All these types of institutions exist in our state and region, and of course, nationally. Mississippi has many industrial operations and continues to serve as a site of investment for future operations. One recent example of this is Amazon Web Services, which plans to invest $10 billion in Madison county, making up the largest capital investment in the state’s history.

Will this program change result in duplication in the System? If so, please describe.
No. There is no program that could be considered equivalent to this proposed program. It would be the first of its kind in the region.

Will this program change/advance student diversity within the discipline? If so, please describe.
Yes, this program is likely to advance student diversity within the discipline. Our current program tends to attract a diverse array of students both ethnically and culturally. We anticipate that enrollment in the proposed modification will do the same. Because Mississippi State University is the most diverse land grant university within the United States, our students

entering this program would very likely diversify the Learning and User Experience Design fields, which has historically been majority Asian and Caucasian. This would help to infuse the field with a wider array of experiences and understandings.

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 program change will likely result in better placement of graduates in the Southeast and in the US, but also in our own state. Learning and User Experience design jobs tend to be found in larger tech-related companies, major government agencies and manufacturing and other industrial operations. These all exist in our state, especially industrial operations. In addition, because of the uniqueness of this proposed program, graduates would have less competition against graduates from other universities in the Southeast region of the United States.

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.
While some potential positions overlap between the current ITS program and the proposed one, on average, current ITS program salaries are lower than salaries of positions in the proposed learning and user experience program modification. Some of the new position areas include UX/UI designer ($70K-$110K), LX designer ($60K-$90K), Instructional Designer ($60K-$85K), Interaction Designer ($75K-$110K), Product Manager ($90K-$140K), and UX researcher ($80K-$120K)

2. **Justification for the modifications to the Degree Program, including how it meets the mission of the university**

The current Information Technology Services (ITS) program has not had significant curriculum changes for many years, making some aspects obsolete. This program emerged from three main areas; business technology education, administrative assisting, and IT services, with no clear career trajectory for graduates. As a result, enrollment numbers in the ITS program have dwindled for the past several years.

This modification updates most courses in the program and adjusts the focus area to learning and user experience design. In contrast to the current ITS program, this proposed program coherently walks students along a path of increasing skill and rigor to enter an emerging and popular field of practice; learning and user experience design. Students in the proposed program would be prepared for roles such as user experience designer, learning experience designer, instructional designer, interaction designer, product manager, and user-experience researcher. Each of these positions mentioned are in demand and can be found currently in job search websites around the country. The proposed modification helps to advance the mission of the university by providing a much clearer career path of opportunity to students.

3. **How do these changes meet the changing needs of the degree program/industry or make our program more competitive**

The curriculum committee who worked on this modification consulted job descriptions, recent research literature, other university program curricula, and an outside consultant who has expertise in the field and was instrumental in developing similar programs at other universities. One such program that she was involved with has become very popular over the past few years with high enrollment numbers. This outside consultant, along with our department committee

members, have experience in the fields of learning experience design, user experience design and human-centered design in business, K-12 and higher education settings. We worked collaboratively to review and make changes to the current curriculum based on our knowledge of the direction the field is going. Our curriculum committee concentrated on two main goals throughout the process; matching the curriculum to the changes that have happened in the field and preparing graduates to be successful in the current field.

Endorsement areas chosen as part of the program help students to set themselves apart from other job application candidates by developing specialization in closely related areas including Information Technology Services, Product Development, Data Science, and Art and Graphic Design. Each of these areas is connected to potential skills that graduates in learning and user experience design might use, depending on what career path they take.

Overall, as a result of these changes, we have also been able to make the program a better fit for the college of education (with the learning focus) and update the program to better match the areas of faculty expertise we have within our department. The proposed program is also better aligned to our current graduate programs, especially the Master of Science in Instructional Technology. Salaries in the learning and user experience design field are higher on average (60k-120k depending on the position) than those that our students are getting from the current ITS program. Finally, the proposed program provides for better collaboration with other programs within (Industrial Technology) and outside of our department.

4. Describe the coherence and increasing rigor of the program

The major core courses in the program follow a logical progression of experience design courses starting with TECH 2023 – Introduction to human-centered design which gives students an overview of and practice with the human-centered design process. This process will serve as the foundation for the rest of the experience design courses that will follow, including TECH 3123 - introduction to experience design research, TECH 3223 - experience design applications, and TECH 4723 - experience design evaluation. The later courses in this sequence, including TECH 3223 - experience design applications, TECH 3533 - learning experience design, and TECH 4723 - experience design evaluation provide an opportunity to synthesize and apply what has been learned in the prior classes. Other core classes provide students with the skills that are often needed by professionals working in the learning and user experience design fields such as graphics, audio and video production, media literacy, computational thinking, emerging technologies and artificial intelligence. The TECH 4683 senior seminar class gives students an opportunity to apply their skills to internship opportunities in the learning and user experience design field.

5. Overarching list of course topics with accompanying documentation of contact hours

The proposed Learning and User Experience Design program focuses on key areas like Human-Centered Design (45 hours in one class, with other classes covering this process again), AI Technologies/machine Learning (90 hours), emphasizing practical applications in UX/LX contexts. Students start with foundational courses in human-centered design and experience design (180 hours total), gaining essential skills in understanding user interactions and applying technology in design.

As students advance, they learn Information and Media Literacy (45 hours), Computational thinking (45 hours), User Experience Research and Applications (90 hours), and Learning

Experience Design (45 hours), focusing on creating engaging and educational user experiences. Hands-on skills in Graphic and Web Design (90 hours) play a significant role, preparing students to apply advanced design principles in real-world settings. Project Management (45 hours) and Experience Design Evaluation (45 hours) further equip students to manage projects and assess design outcomes effectively.

The program also highlights emerging technologies like Augmented Reality, Generative AI, and Game-Based Learning (45 hours), giving students a forward-looking perspective on UX/LX design. With field experience and project-based learning integrated into the curriculum (45 hours), students are prepared to solve real-world challenges in designing and improving user and learning experiences.

Each course syllabus contains a more detailed list of learning objectives and topics that the course will cover along with planned contact hours for each topic. The Mississippi State University CIM system includes this information.

6. Student learning outcomes (generally 3-5 outcomes)

- Students will design user interfaces and learning experiences based on human-centered design principles
- Students will design learning experiences that leverage cognitive psychology and active learning techniques, enhancing user engagement, knowledge retention, and learner/user satisfaction.
- Students will conduct user experience research and analyze findings and communicate results effectively to refine design solutions.
- Students will conduct evaluations of existing UX/LX designs, utilizing usability testing, feedback synthesis, and data analysis techniques to refine and optimize solutions post-development.

7. Assessment procedures

Learning outcome	Assessment description and Course
Students will design user interfaces and learning experiences based on human-centered design principles	TECH 3223 - **Final Project:** Develop a comprehensive user interface design project including sketches, prototypes, and final presentation. TECH 4683 - **Internship:** Students will complete 30 hours of an internship in the field of learning and user experience design, write a paper reporting their internship, and share their internship experiences with the class.
Students will design learning experiences that leverage cognitive psychology and active learning techniques, enhancing user engagement, knowledge retention, and learner/user satisfaction.	TECH 2533 - **Learning Experience Design Project:** Apply research strategies for designing engaging and effective experiences by using practical design techniques. Develop a learner centered experience incorporating diverse learner needs and feedback. TECH 4713 - **Final Project:** As a final project, students will develop a comprehensive learning

	module or course using an authoring tool. This project has milestones that occur through the semester.
Students will conduct user experience research and analyze findings and communicate results effectively to refine design solutions.	TECH 3123 - **Final Research Project:** Develop a comprehensive research project including user research, data analysis, and final presentation. TECH 4523 - **Evaluation Report:** Develop a comprehensive evaluation report including findings and recommendations.
Students will conduct evaluations of existing UX/LX designs, utilizing usability testing, feedback synthesis, and data analysis techniques to refine and optimize solutions post-development.	TECH 3123 - **Final Research Project:** Develop a comprehensive research project including user research, data analysis, and final presentation. TECH 4523 - **Final Evaluation Project:** Conduct a comprehensive evaluation project including planning, data gathering, analysis, and presentation.

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF EDUCATION
Department of Industrial Technology,
Instructional Design
and Community College Leadership
P.O. Box 9730
108 Herbert Street
100 Industrial Education Building
Mississippi State, MS 39762
P. 662.325.2281
F. 662.325.7599
iswd.msstate.edu

May 15, 2024

TO: Box Council and UCCC Committee Members

FROM: Dr. Gregory M. Francom

RE: Support of IT Services Program Revision

Our committee developed the proposed modification to the IT services program. We presented this proposed modification to our full department faculty. A subsequent department vote revealed that a majority of full department faculty voted in favor of this proposed modification and have approved the proposal as written for submission to the Box Council and the UCCC.

Respectfully,

Gregory M. Francom May 15, 2024
Gregory M. Francom (May 15, 2024 12:19 CDT)
Gregory M. Francom Date

Dana AlZoubi May 15, 2024
Dana AlZoubi (May 15, 2024 12:20 CDT)
Dana AlZoubi Date

Sang Joon Lee May 17, 2024
Sang Joon Lee (May 17, 2024 13:53 CDT)
Sang Joon Lee Date

Marty Bray May 17, 2024
Marty Bray (May 17, 2024 11:40 EDT)
Marty Bray Date

Lara Threet May 20, 2024
Lara Threet (May 20, 2024 13:34 CDT)
Lara Threet Date

Stephanie King May 16, 2024
Stephanie King (May 16, 2024 04:55 CDT)
Stephanie King Date

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF EDUCATION
Department of Industrial Technology,
Instructional Design, and
Community College Leadership
P.O. Box 9730
108 Herbert Street
100 Industrial Education Building
Mississippi State, MS 39762
P. 662.325.2281
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itidccl.msstate.edu

May 15, 2024

Dr. Francom,

The Industrial Technology program is excited to support the proposed changes to the ITS program. The faculty and program have agreed the additional students will not pose any issues with the progress of any Industrial Technology student.

We look forward to seeing what the future holds for your program.

Lara Threet

Lara Threet
Program Coordinator
Industrial Technology
Mississippi State University
lthreet@colled.msstate.edu
(662) 325.7253

MISSISSIPPI STATE UNIVERSITY

DATA SCIENCE ACADEMIC INSTITUTE
133 Etheredge Hall
Mississippi State, MS 39762
662.325.3168
datascience.msstate.edu

June 18, 2024

To Whom It May Concern:

The Data Science Academic Institute fully supports the development of a data science emphasis area as part of the revised major within the Department of Industrial Technology, Instructional Design, and Community College Leadership. We know that data science will be a great fit within the new focus on learning and user experience design. We appreciate the effort and dedication required to create this curriculum.

Sincerely,

Dr. Mimmo Parisi
Executive Director
Data Science Academic Institute

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARCHITECTURE, ART + DESIGN
Department of Ar
P.O. Box 5182
415 Barr Avenue
Mississippi State, MS 39762
P. 662.325.297C
F. 662.325.385C
www.caad.msstate.edu

October 3, 2024

RE: ITS Support

Dear UCC Committee,

The Department of Art curriculum committee supports the proposed revisions to the Information Technology Services program, to a new focus on learning and user experience design. As a department, we have discussed the proposed art and graphic design emphasis that is part of this program, and we believe we will have capacity in our classes to accept the additional students that would enroll in this emphasis area.

Committee Members	Signatures	Vote
Taek Jung Assistant Professor		Y
Aubrey Pohl Assistant Professor		Y
Aaron McElfish Instructor		Yes

Sincerely

J. Suzanne Powney – Associate Professor
Curriculum Committee Chair
Department of Art

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:** Electrical & Computer Engineering

Contact Person: Jean Mohammadi-Aragh **Mail Stop:** 9571 **E-mail:** jean@ece.msstate.edu

Nature of Change: Modification **Date Initiated:** 1/15/2025

Current Degree (BS, MS, etc.): Minor

Current Major: Electrical Engineering

Current Concentration(s):

Current Campus(es): ☑ **Starkville** ☐ **Meridian** ☐ **Distance** ☑ **Gulf Coast***

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.):

Effective Date:

Semester	**Year**
Fall	2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major:

Proposed Concentration(s):

Proposed Campus(es)

- ☐ Starkville
- ☐ Meridian
- ☐ Distance
- ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering or

Summary of Proposed Changes:

Updates to the minor based on changes to circuits course sequence that were previously approved for the EE degree

Approved: **Date:**

J. Patrick Donohoe — Digitally signed by J. Patrick Donohoe Date: 2025.01.22 15:42:28 -06'00' — 01/22/2025

Department Head

Dana Pomfret — 2/10/2025

Director of Academic Quality

Digitally signed by Dr. T.J. Jankun-Kelly
Date: 2025.02.07 16:28:33 -06'00'

Chair, College or School Curriculum Committee

Robert A. Shuen — 11 FEB 2025

Dean of College or School

Andy Perkins — Digitally signed by Andy D. Perkins Date: 2025.03.13 14:32:53 -05'00'

Chair, University Committee on Courses and Curricula

Chair, Graduate Council (if applicable)

Peter Liams Ryan — March 26th, 2025

Chair, Deans Council

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☐ Notification to SACSCOC
- ☐ No significant departure

OIRE Representative Initials _____

PROPOSAL FOR THE MODIFICATION OF THE
MINOR IN ELECTRICAL ENGINEERING

1. CATALOG DESCRIPTION

See table below.

2. CURRICULUM OUTLINE

The changes proposed are as follows:

1. Replace the old circuits/electronics series of ECE 3413, ECE 3424, and ECE 3434 with the new sequence of ECE 3423, ECE 3421, ECE 3433, and ECE 3244..
2. Expand the restrictive elective course options to all ECE 4000-level courses, except capstone design, and select ECE 3000-level courses.

Table 1. Comparison of Current CPE Degree and Proposed CPE Degree Programs

CURRENT Degree Description		PROPOSED Degree Description	
Degree: Minor Major: Electrical Engineering Concentration:		Degree: Minor Major: Electrical Engineering Concentration:	
A minor in Electrical Engineering (EE) will prepare students for additional study or employment in electrical engineering fields. Students will become familiar with basic theory and techniques necessary for analyzing electrical and electronics systems and informing their design decisions involving electrical and electronics systems. Academic advising toward the EE minor is available from the ECE Undergraduate Advisor located in 135 Simrall. Students majoring in Electrical Engineering and Computer Engineering are not eligible. A minimum of *16* hours must be taken to obtain the EE minor. All courses used to earn the EE minor must be taken at MSU. A grade of "C" or better must be earned in all courses for the EE minor. A minimum grade point average of 2.0/4.0 is required in all courses taken as a part of the EE minor. For all eligible MSU majors, the EE minor consists of *three required courses* and two restricted elective courses. *Note that some course choices may require other courses as prerequisites.*		A minor in Electrical Engineering (EE) will prepare students for additional study or employment in electrical engineering fields. Students will become familiar with basic theory and techniques necessary for analyzing electrical and electronics systems and informing their design decisions involving electrical and electronics systems. Academic advising toward the EE minor is available from the EE advisor in the ECE Student Success Center located in Simrall 135. Students majoring in Electrical Engineering and Computer Engineering are not eligible. A minimum of **17** hours must be taken to obtain the EE minor. All courses used to earn the EE minor must be taken at MSU. A grade of "C" or better must be earned in all courses for the EE minor. A minimum grade point average of 2.0/4.0 is required in all courses taken as a part of the EE minor. For all eligible MSU majors, the EE minor consists of **four required courses/labs** and two restricted elective courses. **Some courses may require other courses as prerequisites. Students must meet all prerequisites to register for a course. Prerequisite courses of note are: PH 2223 Physics II, MA 1723 Calculus II and MA 3253 Differential Equations.**	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours

Required Courses		Required Courses **(11 Hours)**	
ECE 3413 Introduction to Electronic Circuits	3	ECE 3413 Introduction to Electronic Circuits or ECE 3423 Circuits I	3
ECE 3424 Intermediate Electronic Circuits	4	ECE 3421 Circuits I Lab	1
ECE 3443 Signals and Systems	3	ECE 3433 Circuits II	3
		ECE 3244 Electronics I	4
Select two of the following courses:		**Restricted Elective Courses (6-8 Hours - Select two of the following)**	
ECE 3213 Introduction to Solid State Electronics	3	ECE 3213 Introduction to Solid State Electronics	3
ECE 3313 Electromagnetics I	3	ECE 3313 Electromagnetics I	3
ECE 3323 Electromagnetics II	3	ECE 3323 Electromagnetics II	3
ECE 3434 Advanced Electronic Circuits	*4*	**ECE 3253 Electronics II**	**3**
ECE 3614 Fundamentals of Energy Systems	4	**ECE 3443 Signals and Systems**	**3**
ECE 4263 Principles of VLSI Design	*3*	ECE 3614 Fundamentals of Energy Systems	3
ECE 4293 Nano-electronics	*3*	**ECE 3714 Digital Devices and Logic Design**	**4**
ECE 4313 Antennas	*3*	**ECE 3724 Microprocessors**	**4**
ECE 4323 Electromagnetic Compatibility	*3*	**Any ECE 4000-level course, except ECE 4512 and ECE 4522**	**3-4**
ECE 4333 RF and Microwave Engineering	*3*		
ECE 4413 Digital Signal Processing	*3*		
ECE 4433 Introduction to Radar	*3*		
ECE 4613 Power Transmission Systems	*3*		
ECE 4633 Power Distribution Systems	*3*		
ECE 4653 Introduction to Power Electronics	*3*		
ECE 4673 Fundamentals of High Voltage Engineering	*3*		
ECE 4813 Communications Theory	*3*		
ECE 4913 Feedback Control Systems I	*3*		
ECE 4923 Feedback Control Systems	*3*		
ECE 4933 State Space Design and Instruments	*3*		
Total Hours	16	Total Hours	17

3. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

This update incorporates our updated and current circuits/electronics sequence from the B.S. in Electrical Engineering Degree. We have stopped offering ECE 3424 and ECE 3434, and begun offering new courses ECE 3423, ECE 3421, ECE 3433, and ECE 3244. This update reflects the new course sequence.

We also simplify the elective courses listing to reflect current course offerings and expand to include additional ECE courses.

- Will this program change meet local, state, regional, and national educational and cultural needs? **Yes**
- Will this program change result in duplication in the System? **No**
- Will this program change/advance student diversity within the discipline? **No**
- Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? **No**
- Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? **No**

4. SUPPORT

See letters of support from ECE Departments.

5. PROPOSED 4-LETTER ABBREVIATION

No changes

6. EFFECTIVE DATE

Fall 2025

MISSISSIPPI STATE UNIVERSITY
JAMES WORTH BAGLEY COLLEGE OF ENGINEERING

DEPARTMENT OF
ELECTRICAL AND COMPUTER ENGINEERING
Undergraduate Committee

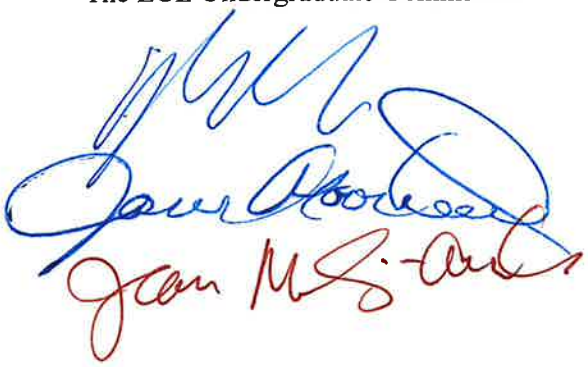
October 31, 2024

To Whom It May Concern:

On October 25, 2024 the faculty of the Electrical and Computer Engineering Department voted unanimously to support the modification of courses for the EE Minor as submitted in this modification proposal.

Sincerely,

The ECE Undergraduate Committee



406 Hardy Road | 216 Simrall Hall | P.O. Box 9571 | Mississippi State, MS 39762 | P. 662.325.3912 | F. 662.325.2298 | www.ece.msstate.edu

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 Professional and Continuing Studies **Department:** Professional Studies

Contact Person: Kali Dunlap **Mail Stop:** _____ **E-mail:** k.dunlap@msstate.edu

Nature of Change: New Program **Date Initiated:** 1/30/2025

Current Degree (BS, MS, etc.): N/A

Current Major: N/A

Current Concentration(s): N/A

Current Campus(es): ☐ **Starkville** ☐ **Meridian** ☐ **Distance** ☐ **Gulf Coast***

*Gulf Coast campus for Bagley College of Engineering only

New Degree (BS, MS, etc.): Bachelor of Applied Science

Effective Date:

Semester	**Year**
Fall	2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major: Organizational Leadership

Proposed Concentration(s): N/A

Proposed Campus(es)

- ☑ Starkville
- ☐ Meridian
- ☑ Distance
- ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering only

Summary of Proposed Changes:

The College of Professional and Continuing Studies is proposing the creation of a new degree program, the Bachelor of Applied Science in Organizational Leadership. This program was previously offered as an emphasis area within the Bachelor of Applied Science, and is now being developed as a separate major. This major is also designed to provide a Thrive in Five pathway for students who want to pursue the MAS in Organization

Approved:	**Date:**
Sean M. Owen Sean M. Owen (Jan 30, 2025 10:30 CST) **Department Head**	01/30/2025
Dana Pornykal Franz (Feb 7, 2025 08:31 PST) **Director of Academic Quality**	Feb 7, 2025
Kenna S. Vowell **Chair, College or School Curriculum Committee**	01/31/2025
Susan D. Seal **Dean of College or School**	01/31/2025
Digitally signed by Andy D. Perkins Date: 2025.03.13 14:33:11 -05'00' **Chair, University Committee on Courses and Curricula**	
Chair, Graduate Council (if applicable)	
Peter Liam Ryan **Chair, Deans Council**	March 26th, 2025

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☐ Notification to SACSCOC
- ☐ No significant departure

OIRE Representative Initials _____

NEW DEGREE 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. Expand rows as needed.

PROPOSED New Degree	
Degree: Bachelor of Applied Science Major: Organizational Leadership	
The Bachelor of Applied Science in Organizational Leadership is designed to prepare students for effective leadership roles within diverse organizational settings. This applied program integrates theoretical foundations and practical applications, emphasizing the development of critical thinking, ethical decision-making, and strategic problem-solving skills. Students will explore key areas of organizational leadership, including change management, team dynamics, communication strategies, and ethical and legal issues. Through a curriculum that combines core courses and specialized electives, learners will gain a comprehensive understanding of the complexities of leadership in today's fast-paced and multicultural environments. Upon completion of the program, graduates will be well-prepared for leadership positions across various sectors, including business, education, non-profit organizations, and government, with the skills necessary to navigate the challenges of contemporary organizational landscapes.	
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 General Education Course	3
Natural Sciences (2 labs required from Gen Ed): Any approved science w/ lab	6
Math (General Education): Any approved Quantitative Rasoning course	3
Humanities (General Education): Any General Education Courses	6
Social/Behavioral Sciences (Gen Ed): Any General Education Courses	6
Subtotal	**30**
Major Core Courses PCS 2111 Intro to the BAS PCS 2213 Survey of Multinational and Cross-Cultural Operations PCS 3213 Multinational and Cross-Cultural Project Collaboration PCS 3103 Professional Leadership Strategies PCS 3123 Issues in Organizational Leadership PCS 3203 Applied Leadership in Strategic Initiatives PCS 3303 Applied Data-Driven Strategies	 1 3 3 3 3 3 3

PCS 4003/6003 Personnel Management for the Public Sector PCS 4203/6303 Digital Transformation and Adaptive Leadership PCS 4213 Project Leadership in Multinational and Cross-Cultural Teams PCS 4223 Virtual Collaboration and Leadership in Multinational Teams PCS 4343/6343 Foundations of Org Leadership PCS 4413 Ethical and Legal Issues in Leadership PCS 4112 Professional Success Strategies in Applied Fields	3 3 3 3 3 3 2
Subtotal	**39**
University Electives: CO 1013 Intro to Communications TECH 1273 Computer Applications or higher	6
Technical Courses in Discipline	45
Subtotal	**51**
Total Hours	**120**

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8
(Submit in PDF format with signatures.)

Institution:	Mississippi State University
Date of anticipated implementation:	August 2025
Program title as it will appear on Academic Program Inventory, Diploma, and Transcript:	Organizational Leadership
Name of degree(s) to be awarded:	Bachelor of Applied Science
Six-digit CIP code:	520213
Total credit-hour requirement to earn the degree:	60
Responsible academic unit:	College of Professional and Continuing Studies
Institutional contact:	Kali Dunlap
Phone:	662.325.8029
Email:	k.dunlap@msstate.edu
SACSCOC Substantive Change:	☒ Program proposed **IS NOT** a substantive change. ☐ Program proposed **IS** a substantive change.
Incremental, five-year cost of implementation:	$462,500
Incremental, five-year per student cost of implementation:	$3,177
Potential five-year, new revenue:	$6,439,000
Potential new, five-year revenue per student:	$41,545.00
Will it attract new students to the university?	☒ Yes ☐ No

List any institutions within the State offering similar programs:	0

Number of students expected to enroll in first 5 years:		Number of students expected to graduate in first 5 years:	
Year 1	15	Year 1	0
Year 2	20	Year 2	0
Year 3	30	Year 3	15
Year 4	40	Year 4	20
Year 5	50	Year 5	30
Total	155	Total	65

Program summary (include second majors completed, if applicable):

The Bachelor of Applied Science in Organizational Leadership is designed to meet the growing demand for agile leaders in today's workplace. Offered by the College of Professional and Continuing Studies, this program emphasizes practical, applied learning to prepare graduates for leadership roles across various sectors, including industry, sports, non-profits, and government. Focused on critical thinking, ethical leadership, and strategic decision-making, the curriculum equips students to tackle real-world challenges in diverse settings. Aligned with the college's mission and its Master of Applied Science in OL, the program provides an accessible pathway for individuals advancing their careers. This major is designed to provide a Thrive in Five pathway for students who want to pursue the MAS in OL.

The audit of recently approved academic programs ensures that the program outcomes are congruent with the Board-approved proposal. Please respond to the questions on the following pages to aid the institution and IHL staff in making recommendations to the IHL Board of Trustees.

_____
Chief Academic Officer Signature – Date

_____
Institutional Executive Officer Signature – Date

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8
(Submit in PDF format with signatures.)

New Academic Degree Program Questions:

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 Applied Science in Organizational Leadership (BAS-OL) will be administered by a Program Director, supported by full-time and adjunct faculty within the College of Professional and Continuing Studies and other colleges at Mississippi State University offering courses within the program. Dr. Kali Dunlap, Assistant Professor, will serve as Program Director. The Program Director and faculty will be responsible for the design and review of the curriculum. Degree and course additions, modifications, and deletions will require approval through the University Course and Curriculum Committee.

2 Describe the educational objectives of the degree program including the specific objectives of any concentrations, emphases, options, specializations, tracks, etc.

The Bachelor of Applied Science in Organizational Leadership is strategically designed to meet the educational and professional needs of adult learners, working professionals, and technical degree holders seeking to advance their leadership capabilities in diverse industries. The program caters to individuals transitioning from technical or applied associate degrees (AAS/AAT), military personnel preparing for civilian leadership roles, and those aspiring to move into supervisory or managerial positions in sectors such as healthcare, manufacturing, public administration, and global business.

With a focus on flexibility and career relevance, the BAS-OL provides a modular and practical curriculum tailored to fit the schedules of working adults. Courses emphasize leadership in real-world contexts, critical decision-making, and effective communication in cross-cultural and virtual environments. The program leverages Mississippi State University's commitment to accessible, high-quality education by offering courses in online and hybrid formats, enabling students to balance their academic pursuits with professional and personal responsibilities. The BAS-OL prepares students to lead with confidence and integrity in a variety of organizational settings by focusing on the following educational objectives:

1. Students will design and implement effective leadership strategies that enhance organizational performance in culturally diverse, multinational, and virtual teams.
2. Students will apply data-driven and analytical tools to solve complex organizational challenges, fostering innovation and continuous improvement.
3. Students will demonstrate ethical decision-making and compliance in leadership roles, cultivating organizational cultures that prioritize integrity and accountability.
4. Students will foster collaboration across diverse and remote teams, utilizing advanced communication techniques to bridge cultural differences and strengthen team cohesion.
5. Students will develop the skills and knowledge necessary for career advancement, preparing them to transition into leadership roles or pursue further education in applied leadership fields.

3 Describe any special admission requirements for the degree program including any articulation agreements that have been negotiated or planned.

The Bachelor of Applied Science in Organizational Leadership is designed to provide a seamless pathway for graduates of Associate of Applied Science (AAS) or Associate of Applied Technology (AAT) programs from accredited community colleges or military branches. This program focuses on equipping students with leadership, communication, and problem-solving skills that can be applied across diverse career sectors, including industry, military, and public service. By offering a broad and inclusive curriculum, the program ensures graduates are prepared to address the challenges of modern workplaces and advance in their chosen professions.

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

There is no professional accreditation for this degree program and no SACSCOC visit for substantive change is necessary. The proposed major in Organizational Leadership does not meet the SACSCOC definition of a substantive change (e.g. the proposed program does not represent a change in the mission or objectives of the institution, the proposed program does not require the addition of a program as a new degree level, and the program does not represent a significant departure, either in content or method of delivery, from those offered within the institution was last evaluated).

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 hours), major coursework in construction technology (30 hours), a university writing and oral communication course (3 hours), management-related courses (9 hours), professional and career services courses (3 hours), and up to 45 hours credit for work in the technical discipline associated with the student's AAS degree for a total 120 hours required for student to complete in the BAS in Organizational Leadership program.

UNIVERSITY CORE CURRICULUM – 30 HOURS
English (General Education) – 6 HOURS
EN 1103 English Composition I
EN 1113 English Composition II

Creative Discovery (General Education) – 3 HOURS
Any course satisfying Creative Discovery

Natural Sciences – 6 HOURS
Any 2 courses with labs satisfying Natural Sciences

Quantitative Reasoning (General Education) – 3 HOURS
MA 1413 Structure of Real Numbers or MA 1213 Math in Your World or MA 1313 College Algebra (or higher)

Humanities (General Education) – 6 HOURS
Any 2 courses that satisfy the Humanities requirement.

Social/Behavioral Sciences (General Education) – 6 HOURS
Any 2 courses that satisfy the Social/Behavioral Sciences requirement.

MAJOR CORE COURSES – 39 HOURS
PCS 2111 Introduction to the Bachelor of Applied Science
PCS 2213 Survey of Multinational and Cross-Cultural Operations
PCS 3213 Multinational and Cross-Cultural Project Collaboration
PCS 3103 Professional Leadership Strategies
PCS 3123 Issues in Organizational Leadership
PCS 3203 Applied Leadership in Strategic Initiatives
PCS 3303 Applied Data-Driven Strategies
PCS 4003 Personnel Management for the Public Sector
PCS 4203 Digital Transformation and Adaptive Leadership
PCS 4213 Project Leadership in Multinational and Cross-Cultural Teams
PCS 4223 Virtual Collaboration and Leadership in Multinational Teams
PCS 4343 Foundations of Organizational Leadership
PCS 4413 Ethical and Legal Issues in Leadership

PCS 4112 Professional Success Strategies in Applied Fields

UNIVERSITY ELECTIVES – 6 HOURS
CO 1013 Intro to Communications
TECH 1273 Computer Applications or higher

TECHNICAL COURSES – 45 HOURS
TOTAL HOURS – 120 HOURS

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 in order to begin the program, give the desired qualifications of the persons to be added.

The below required courses will continue to be delivered primarily by existing faculty or approved professional faculty or lecturers in the College of Professional and Continuing Studies:

PCS 2111 Introduction to the Bachelor of Applied Science
PCS 2213 Survey of Multinational and Cross-Cultural Operations
PCS 3213 Multinational and Cross-Cultural Project Collaboration
PCS 3103 Professional Leadership Strategies
PCS 3123 Issues in Organizational Leadership
PCS 3203 Applied Leadership in Strategic Initiatives
PCS 3303 Applied Data-Driven Strategies
PCS 4003 Personnel Management for the Public Sector
PCS 4203 Digital Transformation and Adaptive Leadership
PCS 4213 Project Leadership in Multinational and Cross-Cultural Teams
PCS 4223 Virtual Collaboration and Leadership in Multinational Teams
PCS 4343 Foundations of Organizational Leadership
PCS 4413 Ethical and Legal Issues in Leadership
PCS 4112 Professional Success Strategies in Applied Fields

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 Mississippi State Library offers extensive resources to support the BAS in Organizational Leadership program. Its robust holdings and databases ensure that students and faculty have access to the academic and practical materials necessary for leadership-focused studies. Key resources include:

• Academic Search Premier: A multidisciplinary database offering access to peer-reviewed journals, magazines, and newspapers.
• CloudSource+ and CloudSourceOA: Advanced search platforms that index multiple databases, journal publishers, open access scholarly journal articles, open textbooks, and open educational resources.
• ERIC: A key resource for education and training literature, essential for leadership development and organizational training research.
• Over 2.3 million volumes in MSU Library's online catalog, supplemented by 11,000 print volumes available locally at MSU Meridian.
• 200,000 electronic journals covering a wide range of disciplines, ensuring full-text access to materials relevant to applied science and leadership studies.
• Discipline-based Research Guides: Curated research guides specifically aligned with applied science and leadership topics, helping students navigate scholarly resources efficiently.
• Interlibrary Loan (ILL) and Document Delivery Services: Ensuring access to resources not owned by MSU Libraries, facilitating comprehensive research.

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8
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8 Describe the procedures for evaluation of the program and its effectiveness in the first five 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.

Multiple methods will be used to evaluate student learning and program effectiveness:

- Student learning will be assessed through course assessments (exams, quizzes, homework, and projects).
- The Office of Institutional Effectiveness at MSU conducts exit surveys of graduates and tracks admission, retention, graduation, and graduate placement rates that will be used to evaluate the program's effectiveness.
- The Center for Distance Education utilizes a variety of measures to assess student learning that will also be used to help evaluate the program's effectiveness.
- The success of the program will be determined by the number of adult learner students who enroll in the degree program versus the number of students that successfully complete the degree during the initial five-year period of the degree program.

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

We expect to incrementally enroll students in the Bachelor of Applied Science in Organization Leadership program over a five-year period. The number of graduates expected in the first five years is calculated based on the program's design, where students complete 60 credit hours to graduate, typically over a span of 2.5 years (taking an average of 24 credit hours annually). For this projection, we assume moderate growth in incoming student enrollment, starting with 15 students in the first year and increasing annually. The graduation rate accounts for students completing their coursework, with the first cohort graduating in the third year of the program. Total enrollment reflects both incoming students and those still completing their studies, minus graduates. This model ensures a realistic estimate of program growth and aligns with expected student progress and retention rates.

10 Using expected enrollment, provide the total anticipated budget for the program including implementation and 4 subsequent years (total of 5 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. Please explain what has been included in the costs and revenues.

Start-Up Costs: one-time costs associated with offering this program
Start-Up costs include marketing and recruitment activities and materials.

Direct, Incremental Costs: additional annual costs to the university as a result of offering this program
Beginning Year 1, a part-time coordinator will be hired to help with advising of the new program.

Incremental Revenue: additional annual revenue assuming that this program will bring in new students paying full tuition
Revenue is projected based on total enrollment times the cost of tuition for the online education student enrolled full-time (12 hours) for fall/spring semesters. This does not include summer terms.

Non-Tuition Revenue: external funds, grants, contracts or other revenues attributable to the addition of this program

Differential: all revenues minus all costs

Year	Incoming Students	Total Enrollment	Start-Up Costs	A Additional Annual Costs	B Additional Annual Revenue	C Non-Tuition Revenue	(B+C)-A Differential
2025-26	15	15	$30,000.00	$92,500.00	$396,000.00	$0.00	$303,500.00
2026-27	20	35	$0.00	$92,500.00	$924,000.00	$7,500.00	$839,000.00
2027-28	30	50	$0.00	$92,500.00	$1,320,000.00	$10,000.00	$1,237,500.00
2028-29	40	70	$0.00	$92,500.00	$1,848,000.00	$10,000.00	$1,765,500.00
2029-30	50	90	$0.00	$92,500.00	$2,376,000.00	$10,000.00	$2,293,500.00
TOTAL	155	260	$30,000.00	$462,500.00	$6,864,000.00	$37,500.00	$6,439,000.00

NEW ACADEMIC DEGREE PROGRAM PROPOSAL

Institutional Request Form – Appendix 8

(Submit in PDF format with signatures.)

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

☐ Survey of Student Interest

Number of surveys administered: Click or tap here to enter text.

Number of completed surveys returned: Click or tap here to enter text.

Percentage of students interested in program:

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

☒ Market Analysis or Evidence of Labor Market Need

The Bachelor of Applied Science (BAS) in Organizational Leadership is designed to address the growing demand for leadership professionals who are skilled in managing diverse teams, navigating complex organizational challenges, and fostering innovation in dynamic work environments. Given the College's primary target audience of employed adult learners, a comprehensive market analysis was conducted to validate the labor market demand for such a program. Data from the U.S. Bureau of Labor Statistics (BLS) highlights those occupations requiring leadership skills, such as general managers, management analysts, human resources specialists, and training and development managers, are projected to grow by 7-11% from 2022 to 2032, outpacing the average growth rate for all occupations. The success of the BAS in Organizational Leadership program depends on strong partnerships with community colleges, military partners, and workforce advisory groups. Many of our current partner institutions have AAS programs that align seamlessly with the BAS, providing a direct pipeline for students seeking to advance their careers in leadership roles. Feedback from industry advisory councils reinforced that this program will address the skills gaps identified in their sectors, particularly in middle and upper-level management roles. The program is strategically designed to meet the educational needs of employed adult learners while addressing workforce gaps in Mississippi and beyond.

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

The Bachelor of Applied Science (BAS) in Organizational Leadership equips graduates with leadership and management skills that are critical across industries, especially in technical and applied fields. By pairing their associate degree expertise with the leadership capabilities gained through this program, graduates are well-positioned to advance into supervisory and managerial roles. The program is designed to meet the needs of both local and national labor markets, with specific emphasis on Mississippi and the Southern region.

Across the state, region, and nation, industries are experiencing a widening skills gap in leadership and project management roles, particularly in technical sectors such as construction, manufacturing, healthcare, information technology, and public administration. According to the U.S. Bureau of Labor Statistics (BLS), many of the occupations suited for BAS graduates are projected to grow steadily through 2030, with notable demand in mid-level and senior management roles. The Project Management Institute also forecasts a global demand for 87.7 million project management professionals by 2027, further emphasizing the need for leadership skills across industries. Graduates of this program will be qualified for the following roles, depending on their technical background:

- First-Line Supervisors: Overseeing daily operations and managing teams in industries such as manufacturing, logistics, and construction.

- Project Coordinators/Managers: Planning and executing projects across various fields, including IT, healthcare, and engineering.

- Operations Managers: Managing resources, budgets, and personnel to optimize organizational performance.

- Human Resources Specialists/Managers: Leading HR functions, employee development, and compliance in diverse workplaces.

- Public Administration or Community Service Managers: Overseeing programs and services in nonprofit or government organizations.

The table below highlights employment opportunities and projected growth in relevant occupations for Mississippi, the Southern region, and the nation, demonstrating the strong demand for leadership skills.

Table 1: Employment Projections for Applied Organizational Leadership-Related Positions

Job Title	MS	Region	United States
Administrative Services & Facilities Managers	2,700	20,100	381,300
General and Operations Managers	21,200	167,800	3,515,200
First-Line Supervisors of Production Workers	7,020	54,770	695,100
Community Service Managers	1,500	10,500	182,200
Human Resource Specialists	5,400	39,500	714,300

The BAS in Organizational Leadership provides graduates with opportunities to pursue managerial and supervisory positions, often leading to significant salary increases compared to positions requiring only an associate degree. For example:

- Administrative Services Managers in Mississippi earn a median salary of $78,000 annually according to O*NET OnLine.
- General and Operations Managers in the state report median earnings of $86,000 annually, with potential increases based on industry and experience.

If half of the program graduates secure roles as Administrative Services Managers and the other half as Operations Managers, their combined earnings could contribute an estimated $6.5 million annually to the Mississippi economy. Over a five-year period, this program could generate nearly $33 million in additional income, strengthening local economies and addressing workforce shortages.

Many of these occupations are designated as "Bright Outlook" careers by Projections Central, signifying rapid growth and strong demand. Additionally, graduates who enter supervisory or managerial roles bring advanced leadership capabilities to the workforce, making them valuable assets in addressing organizational challenges. This program provides a critical pathway for AAS or AAT graduates to move into higher-paying, leadership-oriented roles while meeting the pressing demands of Mississippi's industries. By aligning the BAS in Organizational Leadership with workforce gaps in technical and applied fields, the program supports not only individual career advancement but also the economic development of Mississippi and the broader region.

DataUSA: General & Operations Managers. (2024). DataUSA. https://datausa.io/profile/soc/general-operations-managers

Long-Term Occupational Projections (2023-2033). (2024). Projections Central. https://projectionscentral.org/Projections/LongTerm

O*NET OnLine. (2024). National Center for O*NET Development. https://www.onetonline.org/

MISSISSIPPI STATE UNIVERSITY
COLLEGE OF PROFESSIONAL AND CONTINUING STUDIES

Bachelor of Applied Science in Organizational Leadership

Program Level Outcomes and Course Assessment Map

Program Level Outcome 1: Students will design and implement effective leadership strategies that enhance organizational performance in culturally diverse, multinational, and virtual teams.
1) PCS 3123 Issues in Organizational Leadership – LO3; Case Study Analysis 2) PCS 4213 Project Leadership in Multinational and Cross-Cultural Teams – LO3; Leadership Development Portfolio 3) PCS 4343 Foundations of Organizational Leadership – LO2; Leadership Analysis Paper
Program Level Outcome 2: Students will apply data-driven and analytical tools to solve complex organizational challenges, fostering innovation and continuous improvement.
1) PCS 3303 Applied Data-Driven Strategies – LO2; Data Visualization Project 2) PCS 3203 Applied Leadership in Strategic Initiatives – LO3; Workplace Project 3) PCS 4203 Digital Transformation and Adaptive Leadership – LO4; Remote Team Management Assignment
Program Level Outcome 3: Students will demonstrate ethical decision-making and compliance in leadership roles, cultivating organizational cultures that prioritize integrity and accountability.
1) PCS 4413 Ethical and Legal Issues in Leadership – LO3; Crisis Management Simulation 2) PCS 4003 Personnel Management for the Public Sector – LO4; Personnel Management Plan 3) PCS 4112 Professional Success Strategies in Applied Fields – LO5; Online Discussion
Program Level Outcome 4: Students will foster collaboration across diverse and remote teams, utilizing advanced communication techniques to bridge cultural differences and strengthen team cohesion.
1) PCS 2213 Survey of Multinational and Cross-Cultural Operations – LO2; Online Discussions 2) PCS 3213 Multinational and Cross-Cultural Project Collaboration – LO2; Team-Based Project Planning Document 3) PCS 4223 Virtual Collaboration and Leadership in Multinational Teams – LO5; Digital Communication Strategy Project
Program Level Outcome 5: Students will develop the skills and knowledge necessary for career advancement, preparing them to transition into leadership roles or pursue further education in applied leadership fields.
1) PCS 2111 Introduction to the Bachelor of Applied Science – LO1; Case Study Analysis 2) PCS 4112 Professional Success Strategies in Applied Fields – LO3; Mock Interview 3) PCS 3203 Applied Leadership in Strategic Initiatives – LO2; Workplace Project

PCS 2111 Introduction to the Bachelor of Applied Science

1. Students will identify theoretical components in real-world application.
2. Students will explain the purpose and benefits of pursuing a Bachelor of Applied Science degree.
3. Students will identify resources and support services available to facilitate a successful transition to the BAS program.
4. Students will evaluate skills needed to be successful in chosen career path.

PCS 2213 Survey of Multinational and Cross-Cultural Operations (NEW)

1. Summarize the basic concepts of sociology used to define culture and cultural differences.
2. Identify challenges and opportunities specific to multinational and cross-cultural teams, including managing time zones and identifying misunderstandings in the workplace.
3. Identify effective cross-cultural strategies by comparing various models of global organizational leadership.
4. Define the role and impact of skilled leaders on multinational, multi-team projects and their organizations.
5. Apply conflict-resolution techniques to provide effective solutions to common problems present in multinational, cross-cultural teams.

PCS 3213 Multinational and Cross-Cultural Project Collaboration (NEW)

1. Evaluate project management principles in multinational teams by analyzing team roles, cultural dynamics, and success metrics to develop culturally-responsive project execution strategies.
2. Apply strategies in multinational project scenarios to strengthen team relationships through communication identification, active listening, authentic engagement, and a leveraging of cultural perspectives.
3. Examine case studies of multinational business partnerships to identify key factors that contributed to success or failure in cross-cultural project collaboration.
4. Analyze global business customs and languages common in global industries.
5. Formulate basic speech in a global business language, including greetings and formalities, to enrich professional interactions.

PCS 4213 Project Leadership in Multinational and Cross-Cultural Teams (NEW)

1. Initiate networking opportunities to practice developing and maintaining professional relationships in global business contexts.

2. Interpret complex multinational scenarios that utilize culturally appropriate strategies during organizational change and crisis management.
3. Design and implement leadership strategies for multinational teams, including creating inclusive environments that maximize team performance.
4. Provide resolutions to complex cross-cultural challenges using action plans that support short-term project goals and build lasting positive organizational cross-cultural relationships.
5. Model cultural intelligence, linguistic understanding, and adaptable leadership in teams to promote effective cross-cultural communication.

PCS 3103 Professional Leadership Strategies

1. Students will apply theoretical principles to real-world situations for effective problem-solving.
2. Students will appraise leadership approaches for use in career path.
3. Students will evaluate impact of leadership plans on teams or continuous improvement.
4. Students will create tailored leadership plans integrating theory and practice.
5. Students will develop teamwork skills for dynamic effectiveness in diverse settings.
6. Students will develop knowledge of presentation software for effective use in business settings.

PCS 3123 Issues in Organizational Leadership (NEW)

1. Students will summarize key historical issues in organizational leadership and their evolution over time.
2. Students will analyze current leadership challenges in diverse organizational settings, including issues related to change, ethics, diversity, and technology.
3. Students will apply leadership theories and strategies to address modern challenges such as globalization and organizational culture.
4. Students will develop practical solutions for contemporary leadership problems, using critical thinking and evidence-based approaches.
5. Students will evaluate the effectiveness of leadership practices in various organizational contexts.

PCS 3203 Applied Leadership in Strategic Initiatives

1. Recognize types of strategic initiatives and project management strategies.
2. Apply theoretical project management knowledge in real-world simulations.
3. Synthesize theoretical concepts with practical skills to develop a resource management plan for a strategic initiative.
4. Identify and assess potential risks in a strategic initiative and propose mitigation strategies.

PCS 3303 Applied Data-Driven Strategies

1. Collect and interpret data from multiple sources to address organizational challenges.
2. Utilize analytical reasoning to evaluate data and make informed decisions.
3. Create data visualizations to effectively communicate complex data sets.
4. Communicate analytical findings clearly and effectively to a diverse set of stakeholders.

PCS 4003/6003 Personnel Management for the Public Sector

1. Apply concepts of personnel management to real-world emergency management scenarios.
2. Analyze and solve personnel challenges in a public sector organization using various tools and methods.
3. Develop effective HR strategies and practices that align with organizational goals and objectives.
4. Evaluate the impact of personnel policies and practices on organizational performance and employee engagement.
5. Collaborate effectively with team members to design and implement personnel initiatives.

PCS 4203/6303 Digital Transformation and Adaptive Leadership

1. Students will Demonstrate the ability to manage virtual teams effectively using various digital tools.
2. Students will Complete at least two hands-on activities that simulate real-world challenges, applying theoretical project management knowledge.
3. Students will Develop a resource management plan that includes allocation and scheduling for a strategic initiative.
4. Students will Identify and assess at least three potential risks in a strategic initiative and propose mitigation strategies.
5. Students will Communicate data findings clearly and effectively to a diverse set of stakeholders.
6. Students will prepare for the Professional in Personnel (PHR) certification exam.

PCS 4223 Virtual Collaboration and Leadership in Multinational Teams (NEW)

1. Identify opportunities and challenges associated with managing and collaborating with cross-cultural teams in a virtual environment.
2. Utilize a variety of appropriate virtual collaboration tools and platforms that facilitate effective communication and workflow management in multinational, remote teams.
3. Design virtual onboarding processes that establish strong cross-cultural team connections.

4. Analyze crisis management and change management protocols for virtual multinational teams.
5. Create and propose strategies for building organizational communication systems that enhance team productivity, bridge cross-cultural communication, and address technological gaps.

PCS 4343/6343 Foundations of Organizational Leadership

1. Students will utilize the Extreme Ownership Framework in various scenarios.
2. Students will analyze the effects of decision-making in leadership.
3. Students will practice simple, clear, and concise communication at an organizational level.
4. Students will evaluate methods of change management within organizations.
5. Students will assess qualities of leadership within themselves and others.

PCS 4413 Ethical and Legal Issues in Leadership (NEW)

1. Students will analyze the ethical implications of leadership decisions in various organizational contexts.
2. Students will evaluate the legal responsibilities and compliance requirements that influence leadership actions.
3. Students will apply ethical decision-making models to real-world leadership scenarios.
4. Students will critique organizational policies and practices for ethical and legal alignment.
5. Students will develop a personal leadership philosophy that integrates ethical and legal considerations.

PCS 4112 Professional Success Strategies in Applied Fields

1. Evaluate personal, academic, and professional experience for inclusion in hiring documents.
2. Explore job search strategies tailored to their career goals and industry.
3. Practice interviewing skills and confidently communicate qualifications and experiences.
4. Identify professional networking opportunities, including online platforms and industry events.
5. Discuss ethical considerations and professionalism in the workplace.

MISSISSIPPI STATE UNIVERSITY™
COLLEGE OF PROFESSIONAL AND
CONTINUING STUDIES

365 Barr Avenue
P.O. Box 5247
Mississippi State, MS 39762

January 30, 2025

To: University Committee on Courses and Curricula

Re: New Degree Proposal, BAS in Organizational Leadership

The College of Professional and Continuing Studies Curriculum Committee affirms support for the addition of the BAS in Organizational Leadership to be housed in our college.

Please let the committee know if there are any questions or concerns.

Sincerely,

Kenna Vowell

Kenna Vowell, Ph.D., Assistant Professor, Committee Chair

Sean M. Owen

Sean Owen, Ph.D., Associate Dean/Research Professor

Kali Dunlap

Kali Dunlap, Ph.D., Assistant Teaching Professor

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: Dr. Kristie Chavez **Mail Stop:** 9825 **E-mail:** krc43@msstate.edu

Nature of Change: New Program **Date Initiated:** 01/06/2025

Current Degree (BS, MS, etc.): Certificate

Current Major: Veterinary Medicine

Current Concentration(s): _____

Current Campus(es): ☑ Starkville ☐ Meridian ☐ Distance ☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering onl

Certificate

Effective Date:

New Degree (BS, MS, etc.): _____

Semester Fall **Year** 2025

**Any new program or modification desiring a starting semester other than fall must include a justification

Proposed Major: Veterinary Medicine

Proposed Campus(es)

☑ Starkville
☐ Meridian
☐ Distance
☐ Gulf Coast*

*Gulf Coast campus for Bagley College of Engineering c

Proposed Concentration(s): _____

Summary of Proposed Changes:

The MSU College of Veterinary Medicine is proposing to add a Certificate in Rural Veterinary Practice. This certificate targets currently enrolled DVM students and provides training in technical (spectrum of care treatment and diagnostic approaches) and non-technical skills (veterinary business management and communication) essential for success in a mixed animal rural veterinary practice. Students will gain skills and confidence to engage in rural practice and may ultimately choose rural practice as a career.

Approved:	Date:
Dr. Andrew Mackin — Digitally signed by Dr. Andrew Mackin, Date: 2025.01.03 07:40:57 -06'00'	01/03/2025
Department Head	
Director of Academic Quality	1/8/2025
George Howell III	1/13/2025
Chair, College or School Curriculum Committee	
Nick Frank — Digitally signed by Nicholas Frank, DVM, PhD, DACVIM	
Dean of College or School	
Andy Perkins — Digitally signed by Andy D. Perkins, Date: 2025.03.13 14:33:37 -05'00'	
Chair, University Committee on Courses and Curricula	
Russell Carr — Digitally signed by Russell Carr, Date: 2025.04.10 18:47:05 -05'00'	
Chair, Graduate Council (if applicable)	
Peter Liam Ryan	March 26th 2025
Chair, Deans Council	

FOR OIRE USE ONLY

- ☐ Substantive Change to SACSCOC
- ☒ Notification to SACSCOC
- ☐ No significant departure

OIRE Representative Initials

PROPOSED New Degree

Degree: Professional Certificate in Rural Veterinary Practice
Major: Veterinary Medicine
Concentration:

New Degree Description

CVM Professional Certificate in Rural Veterinary Practice. Prerequisites: Enrollment in the DVM program and consent of Director. Students must enroll prior to entering DVM year 3. Fifteen credit hours earned within the DVM program. The certificate is designed to provide training in technical and non-technical skills essential for long-term success in rural veterinary practice.

Rural America makes up 97% of the US land area and is home to 18% of the population. In Mississippi, 65 of the 82 counties are considered rural, and are home to over 50% of Mississippians. Rural areas are characterized as economically poorer, with inhabitants being older and less educated than urban counterparts. Businesses in rural areas must acknowledge and address these population characteristics.

Livestock production is a major industry that occupies rural America and is essential for US food and economic security. Additionally, rural communities have higher levels of dog ownership than urban centers, placing a larger burden on rural populations for companion animal care. There is a widely acknowledged shortfall of veterinarians in rural areas of the US. This shortage situation negatively impacts animal and public health and animal welfare. It compromises animal disease control and response, endangering the national food supply and creating economic peril should a high consequence disease be introduced. Professional DVM students mirror the nation demographically in that they are largely from urban areas, with limited exposure to rural conditions. To serve the state of Mississippi and the nation MSU CVM proposes to offer a certificate program to professional DVM students to specifically meet the needs of rural veterinary practices. The goal of the Rural Veterinary Practice Certificate Program is to provide exposure to technical and non-technical skills essential for long-term success in rural veterinary practice. It is expected that students will gain the skills and confidence essential to engage in rural practice and that ultimately more students will choose rural practice as a career. Students must maintain good standing in the DVM program for entry to the Rural Veterinary Practice Certificate Program and must maintain good standing through completion.

Proposed Curriculum Outline	Required Hours
Required Coursework: CVM5692 Veterinary Art and Business Management (2 credits) (Prerequisites: Consent of Instructor). Two hours lecture. Lecture, group discussion, and focused independent study of the art and business of veterinary medicine. This course will emphasize non-technical veterinary skills. (Phase 2 elective).	10 total required credits

CVM 5294 Enhanced Clinical Practicum (4 credits) Supervised clinical rotation at approved veterinary practices throughout the US where veterinary students participate in all aspects of veterinary practice to enhance understanding of previously learned medical concepts and skills. Must be mixed animal caseload, ≥ 30% farm animal, and located in a rural area. Must be in addition to the single required ECP in rural practice. Must be approved by the Director. CVM 5000 Directed Individual Study in CVM (4 credits) Must involve a series of case-based experiences. Must be approved by the Program Director. One to two credit hours per semester, total of 4 credits required for certificate completion.[a] [a] A formal course is in development to replace CVM 5000 for this requirement. CVM 5000 DIS is simply an alternative path that meets the immediate student demand for this experience.	
Elective Coursework: CVM5864 Bovine Production Medicine (4 credits) (Prerequisite: Enrollment in the CVM professional curriculum). Four hours lecture. Reproductive and nutritional management, record-keeping, data analysis, herd health programs, and other advanced bovine production topics will be covered, building on student's core veterinary education. CVM5764 Advanced Equine Reproduction (4 credits) (Prerequisite: Consent of instructor). Four hours lecture. Phase 2 elective emphasizing review of basic equine reproduction and exposure to advanced diagnostic and therapeutic modalites. CVM5722 Small Ruminant Production Medicine (2 credits) (Prerequisite: CVM 5276). Two hours practicum. An elective focused on sheep and goat production. Experience in common surgery/treatment procedures provided. Small ruminant production medicine topics and current literature review discussed. CVM 5301 Clinicopathological Conference (1 credit) Advanced communication skills. Professional writing and public speaking to a scientific audience. Must involve a topic in rural veterinary practice. CVM 5510, 5520, 5530, 5540, 5550 Veterinary Medicine/ Animal Industry Externship 1-5 credits. Maximum of 4 credits for certificate. Supervised clinical rotation at approved facilities	5 total elective credits

throughout the US providing primary veterinary care in a mixed animal rural practice. Must be mixed animal caseload, ≥ 30% farm animal, and located in a rural area. CVM5182 Veterinary Disaster Management (2 credits) (Prerequisite: Enrollment in the professional veterinary degree program. Not open to students who have completed CVM 4180/CVM 6180). Veterinary disaster management concerning animal health and well-being before, during, and after disasters. Includes general incident management training for local, state and federal levels. CVM5221 Elective Rotation in Shelter Medicine (1 credit) (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. CVM5332 Shelter Medicine Spay/Neuter Rotation (2 credits) (Two hours practicum). This is a two-week clinical rotation providing in depth understanding and practical experience in dealing with issues surrounding pet overpopulation, responsible pet ownership, shelter medicine and surgery. CVM5862 Equine Lameness (2 credits) Two hours practicum. Advanced study of equine lameness. Provides opportunities to develop and use problem-solving skills in the diagnosis, treatment, and management of lameness and related topics. CVM5652 Equine Podiatry (2 credits) (Prerequisite: Enrollment in CVM professional curriculum). One hour lecture. Two hours laboratory. Includes fundamentals of horseshoeing, anatomy, diseases of the equine digit, and therapeutic techniques.	

Program-Level Student Learning Outcomes

A. **Demonstrate ability to practice on the spectrum of care by offering diagnostic and treatment plans for farm and companion animals in circumstances where veterinary and client resources are limited.**
B. **Demonstrate competency in personal finance, including formulating a budget, managing debt, and accessing net worth. Demonstrate understanding of basic**

business management and finance principles (community engagement, human resources management, cash flow, equity, revenue/profit, depreciation, debt, etc.) and how they are managed in a small business.

C. **Apply disease control principles at the group/herd level in farm and companion animal populations. Demonstrate ability to formulate and triage herd/group health recommendations when resources are limited.**
D. **Demonstrate ability to communicate complex medical concepts to clients of differing educational levels.**
E. **Demonstrate competency in common medical and surgical procedures performed in rural veterinary practice.**

Program Mapped Assessment of Learning Outcomes

Required Courses

Outcome	CVM 5692	CVM 5294	CVM 5000
A	D	M	D
B	M	D	I
C		M	D
D	D	M	I
E		M	I

I = Introduced; D=Developed; M=Mastered

Elective Courses

Outcome	CVM 5864	CVM 5764	CVM 5722	CVM 5301	CVM 5510-5550
A	D	D	M	D	M
B	D				D
C	M	D	M	D	M
D		D	D	D	M
E		M	M	D	M

Outcome	CVM 5182	CVM 5221	CVM 5332	CVM 5862	CVM 5652
A		D	D	D	D
B				I	
C	M	M	D		
D		M	D	D	D
E		M	M	M	M

I = Introduced; D=Developed; M=Mastered

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF VETERINARY MEDICINE
PATHOBIOLOGY AND POPULATION MEDICINE

P.O. Box 6100
240 Wise Center Drive
Mississippi State, MS 39762

P. 662.325.1300
F. 662.325.4548
www.vetmed.msstate.edu

January 2, 2025

To Whom It May Concern,

We, the undersigned MSU CVM faculty, support the creation of a professional certificate program in rural veterinary practice at the Mississippi State University College of Veterinary Medicine. The program will provide exposure to technical skills (diagnostic, prevention and treatment) and non-technical skills (personal and business finance, communication) that are required in rural mixed animal practices. As such, the program will create self-confidence and facilitate students' success in rural practices.

Sincerely,

Dr. Kristie Chavez
Assistant Clinical Professor
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Dr. Isaac Jumper
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www.vetmed.msstate.edu

January 2, 2025

To Whom It May Concern:

We, the undersigned MSU CVM faculty, support the creation of a professional certificate program in rural veterinary practice at the Mississippi State University College of Veterinary Medicine. The program will provide exposure to technical skills (diagnostic, prevention and treatment) and non-technical skills (personal and business finance, communication) that are required in rural mixed animal practices. As such, the program will create self-confidence and facilitate students' success in rural practices.

Sincerely,

Dr. William Epperson
Professor and Department Head
Department of Pathobiology & Population Medicine
epperson@cvm.msstate.edu

Dr. Andrew Mackin
Professor and Department Head
Department of Clinical Sciences
mackin@cvm.msstate.edu

Mississippi State University College of Veterinary Medicine
Professional Certificate in Rural Veterinary Practice Timeline Form

Student Name/Date: _____

Class Year: _____

	1st Year		2nd Year			3rd Year			4th Year			
Core Courses	Fall	Spr	Sum	Fall	Spr	Sum	Fall	Spr	Sum	Fall	Spr	Certificate Credits
Vet Business (CVM5692)												2
ECP (CVM5294)(requires prior approval) *												4
Directed Individual Study - Case-Based (CVM5000) 4 Credits Required												4

*ECP Location: _____

Elective Courses (list)												
Total Electives												10

	Externship *	Externship *	CPC *
Location	_____	_____	_____
Dates	_____	_____	_____

*Requires approval from Dr. Kristie Chavez at time of registration

Instructions:

1) It is recommended to take the three core courses at the times indicated by the gold boxes, though white boxes are also options. Dark boxes are not options.

Note:

This is just an estimated timeline of what you think you may take to earn your 15 credits for the certificate. It is understood that this may change as you progress through your DVM curriculum.

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF VETERINARY MEDICINE

Rural Veterinary Practice Certificate Program
Application Form

As part of the application process, please provide the following documentation to Dr. Kristie Chavez via email (krc43@msstate.edu) with the subject headline "Last Name – RVPCP Application".

1) Completed application form (This page)
2) Resume/CV

Student Name: _____
Class Year (Anticipated year of graduation: _____
Net ID: _____
MSU ID Number: _____
Mailing Address: _____
Phone: _____
Email: _____

Do you have a bachelor's degree? [a] Yes/No
CVM Mentor(s)(First-Year and/or Clinical): _____
DVM/PhD Program (Yes/No, Advisor if yes): _____
Residency Status (In-State or Out-of-State): _____

The annual application deadline is July 15 with application review taking place over 2 weeks. Applicants will be notified about their application decision and assigned a certificate program mentor in August.

[a] You must have a bachelor's degree to enroll in the RVPCP.

INTENT TO OFFER, MODIFY, OR DELETE A CERTIFICATE PROGRAM

Institutional Request Form – Appendix 16
(Submit in PDF format with signatures.)

Institution:	Mississippi State University
Date of anticipated implementation:	August 2025
Notification of intent to:	☒Offer a certificate ☐Modify an existing certificate ☐Delete a certificate
Certificate title as it will appear on Academic Program Inventory:	Professional Certificate in Rural Veterinary Practice
Six-digit CIP code (and four-digit IHL sequence code if this is a modification or deletion):	01.8101
Total credit hours:	15
Responsible academic unit:	Department of Clinical Sciences
Unit head:	Dr. Kristie Chavez
Phone:	662.325.1266
Email:	krc43@msstate.edu

OFFERING or MODIFYING a certificate - *Complete this section if the intent is to offer or modify a certificate.*

Vocational certificate:	☒Yes	☐No
Credit-bearing program:	☒Yes	☐No
Title IV financial aid eligible:	☐Yes	☒No

Which of the following best describes this certificate program?

- ☐ **Pre-Baccalaureate (Less than 1 Year)** - Undergraduate program with duration of less than one academic year; designed for completion in less than 30 credit hours
- ☐ **Pre-Baccalaureate (At Least 1 Year)** - Undergraduate program with duration of at least 1 year; designed for completion in at least 30 hours; does not meet requirements for associate or bachelor's degrees
- ☐ **Post-Baccalaureate** - Program designed beyond the baccalaureate degree but does not meet the requirements for a master's degree
- ☐ **Post-Master's** - Program designed beyond the master's degree but does not meet the requirements for a doctoral degree
- ☒ **Other** - Other certificate program not meeting one of the four criteria above **(This is a professional DVM certificate for students enrolled in the DVM Program).**

Program summary:

The professional certificate in Rural Veterinary Practice is a 15-credit hour program of study offered by MSU CVM. It is designed to provide training for professional DVM students who are contemplating entering practice in a rural area. Rural America makes up 97% of the US land area and is home to 18% of the population. In Mississippi, 65 of the 82 counties are considered rural, and are home to over 50% of Mississippians. Rural areas are characterized as economically poorer, with inhabitants being older and less educated than urban counterparts. Businesses in rural areas must acknowledge and address these population characteristics.

Livestock production is a major industry that occupies rural America and is essential for US food and economic security. Additionally, rural communities have higher levels of dog ownership than urban centers, placing a larger burden on rural populations for companion animal care. There is a widely acknowledged shortfall of veterinarians in rural areas of the US. This shortage situation negatively impacts animal and public health and animal welfare. It compromises animal disease control and response, endangering the national food supply and creating economic peril should a high consequence disease be introduced. Professional DVM students mirror the nation demographically in that they are

largely from urban areas, with limited exposure to rural conditions. To serve the state of Mississippi and the nation MSU CVM proposes to offer a certificate program to professional DVM students to specifically meet the needs of rural veterinary practices. The goal of the Rural Veterinary Practice Certificate Program is to provide exposure to technical and non-technical skills essential for long-term success in rural veterinary practice. It is expected that students will gain the skills and confidence essential to engage in rural practice and that ultimately more students will choose rural practice as a career. Students must maintain good standing in the DVM program for entry to the Rural Veterinary Practice Certificate Program and must maintain good standing through completion.

_____ _____

Chief Academic Officer Signature – Date Institutional Executive Officer Signature – Date

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www.vetmed.msstate.edu

Dr. Perkins,

Attached is a proposal for a new professional certificate program from the CVM. This certificate is for students currently enrolled in the DVM program. The certificate is composed of a series of currently approved electives. We plan to add new electives in time.

Dr. Kristie Chavez is the director of the certificate program, but I am serving to get this approved. So either Kristie or I can serve as contact for questions. We would like to start this program in August 2025 so we are submitting to you in hopes that UCCC can approve in the near future.

Please contact Dr. Chavez or me with questions.

Bill Epperson