

A MEMORANDUM

DATE: April 13, 2021
TO: UCCC Members
FROM: Dr. Dana Pomykal Franz, Chair
SUBJECT: UCCC Meeting on Wednesday, April 21, 2021 at 9:00 a.m.

The agenda and proposals for the meeting on **Wednesday, April 21, 2021 at 9:00 a.m.** are enclosed. The meeting will be held by WebEx. Please contact the UCCC Office if you are unable to participate.

The link for WebEx will be sent to you in a separate email.

Thank you.

Enclosures: Course/Curriculum Proposals

AGENDA
UNIVERSITY COMMITTEE ON COURSES AND CURRICULA
April 21, 2021

- 1. Welcome**
- 2. Approval of minutes**
- 3. Course proposals by college/school**

ACADEMIC AFFAIRS

Addition +Meridian +Online/Distance	<u>PLA 2220</u>	Prior Learning Assessment I
Addition +Meridian +Online/Distance	<u>PLA 3220</u>	Prior Learning Assessment II

AGRICULTURE AND LIFE SCIENCES

Modification +Online/Distance	<u>ABE 6163</u> (split level with ABE 41463)	Machinery Management for Agro-Ecosystems
Modification +Online/Distance	<u>ABE 6263</u> (split level with ABE 4263)	Soil and Water Management
+Online/Distance	<u>ABE 6383</u> (split level with ABE 4383)	Building Construction
Modification +Online/Distance	<u>ABE 6473</u> (split level with ABE 4473)	Electrical Applications for Agriculture
Modification +Online/Distance	<u>ADS 4333/6333</u>	Equine Exercise Physiology (tabled at March 5, 2021 meeting)
+Online/Distance	<u>AELC 3333</u>	Professional Presentations in Agriculture and Life Sciences
Addition +Online/Distance	<u>AELC 3423</u>	Graphic Design in Agriculture and Life Sciences
Modification +Online/Distance	<u>AELC 8693</u>	Philosophical Foundations of Agricultural and Extension Education
Addition +Online/Distance	<u>AELC 8833</u>	Instrumentation and Data Collection Procedures in Social Science Research
Addition +Online/Distance	<u>AELC 8853</u>	Statistics for Social and Life Sciences in Agriculture
Addition +Online/Distance	<u>AELC 9103</u>	Applied Multivariate Data Analysis in AEE
Addition	<u>BCH 8663</u>	Proteome and Proteomics
+Online/Distance	<u>FDM 3573</u>	Historic Costume (tabled at March 5, 2021 meeting)
+Online/Distance	<u>FDM 4583/6583</u>	Fashion Entrepreneurship
Addition +Online/Distance	<u>FNH 3123</u>	Foundations of Rural Health (tabled at March 5, 2021 meeting)
+Online/Distance	<u>FNH 8273</u>	Advanced Clinical Nutrition
Addition +Online/Distance	<u>PO 8043</u>	Poultry Nutrition (Vitamins and Minerals)
+Online/Distance	<u>PSS 1313</u>	Plant Science

ART AND SCIENCES

+Online/Distance	BIO 3004	Human Anatomy
Addition	BIO 4243/6243	Plant Molecular Biology
+Online/Distance	BIO 4514/6514	Animal Physiology (tabled at March 19, 2021 meeting)
+Online/Distance	CH 4523/6523	Organic Chemistry II
Addition	CH 4911/6911	Practical Chemical Laboratory Instruction I
Addition	CH 8101	Current Problems in Chemistry
Addition +Online/Distance	CO 8353	Seminar in Digital Media
Addition +Online/Distance	CO 8393	Media Law for Leaders and Organizations
+Online/Distance	CRM 3313	Deviant Behavior
Addition	EN 4133	Feminist Theories
Modification +Online/Distance	FLF 8103	Seminar in the French Novel of the 20 th Century
+Online/Distance	FLL 1113	Latin I
+Online/Distance	FLL 1123	Latin II
Addition	FLR 3153	Russian V
Addition	GA 8103	College Teaching Practicum (tabled at March 5, 2021 meeting)
Addition	GS 1303	Introduction to Social Justice Studies
Addition +Online/Distance	GS 3343	Gender, Crime, and Justice
Addition	GS 4133	Feminist Theories
Addition +Online/Distance	MA 2924	Introduction to Modern Scientific Computing
+Online/Distance	MA 3513	History of Mathematics
+Online/Distance	MA 4373/6373	Introduction to Partial Differential Equations
Addition +Online/Distance	MA 6150 (split level with MA 4150)	Mathematical Foundations of Machine Learning
+Online/Distance	MA 6573 (split level with MA 4573)	Introduction to Mathematical Statistics II
+Online/Distance	MA 8253	Operational Mathematics
Modification +Online/Distance	MA 8273	Special Functions
+Online/Distance	MA 8323	Ordinary Differential Equations II
Modification	MS 1112	Introduction to the Army
Modification	MS 1122	Foundations of Leadership
Modification	MS 2113	Leadership and Ethics
Modification	MS 2123	Army Doctrine and Decision Making
Modification	MS 3114	Training Management and Warfighting Functions
Modification	MS 3124	Applied Leadership in Small Unit Operations
Modification	MS 4114	The Army Officer
Modification	MS 4124	Company Grade Leadership
+Online/Distance	PS 4303/6303	U.S. Foreign Policy
+Online/Distance	PS 4343/6343	International Conflict and Security
+Online/Distance	PS 4363/6363	International Peacekeeping and Post-Conflict Nation
+Online/Distance	PS 4373/6373	International Terrorism
+Online/Distance	PS 4383/6383	National Security Policy

Addition	PSY 8623	Advanced Social and Developmental Psychology
Addition	PSY 8643	Psycholinguistics
Addition	PSY 8663	Individual Differences in Cognition
Addition	PSY 8673	Models of Cognition Seminar
Modification	PSY 8743	Perception and Attention
Modification	PSY 8753	Advanced Human Memory
Modification	PSY 8763	Expertise and Cognitive Skill Acquisition
Modification	PSY 8773	Computational Cognitive Neuroscience
Addition	SO 1303	Introduction to Social Justice Studies
Addition	SO 4133	Feminist Theories
+Online/Distance	ST 6213 (split level with ST 4213)	Nonparametric Methods
Addition +Online/Distance	ST 8080	Directed Project in Data Science
+Online/Distance	ST 8253	Regression Analysis
Modification +Online/Distance	ST 8913	Smoothing Methods in Statistics
Addition +Online/Distance	ST 8923	Time Series

BUSINESS

+Online/Distance	ACC 3203	Financial Statement Analysis
+Online/Distance	BIS 1523	Web Development I (tabled at March 5, 2021 meeting)
+Online/Distance	BIS 2523	Web Development II (tabled at March 5, 2021 meeting)
+Online/Distance	BIS 4113/6113	Business Information Systems Security Management
+Online/Distance	BIS 4513/6513	Microcomputers and Networks
Addition +Online/Distance	MGT 3713	Family Business Management

EDUCATION

+Online/Distance	COE 4023/6023	Introduction to Counseling (tabled at January 22, 2021 meeting)
+Online/Distance	COE 4353/6353	Assistive Technology in the Rehabilitation Process (tabled at January 22, 2021 meeting)
+Online/Distance	COE 8013	Counseling Skills Development (tabled at January 22, 2021 meeting)
+Online/Distance	COE 8043	Group Techniques and Procedures (tabled at January 22, 2021 meeting)
+Online/Distance	COE 8053	Practicum (tabled at January 22, 2021 meeting)
+Online/Distance	COE 8303	Family Counseling Theory (tabled at January 22, 2021 meeting)
+Online/Distance	COE 8623	Advanced and Ethical Issues in Counseling (tabled at January 22, 2021 meeting)
+Online/Distance	COE 8703	Principles of Clinical Mental Health Counseling (tabled at January 22, 2021 meeting)
Addition +Online/Distance	EDA 8483	Survey Research
Addition +Online/Distance	EDA 8493	Action Research
Addition +Online/Distance	EDA 8563	Program Evaluation
Addition +Online/Distance	EDA 8623	Doctoral Capstone 1

Addition +Online/Distance	EDA 8633	Doctoral Capstone 2
Addition +Online/Distance	EDA 8643	Doctoral Capstone 3
+Online/Distance	EDE 8733	Teaching Physical, Life, and Earth Science in the Elementary and Middle School Classroom
Modification +Online/Distance	EDE 8763	Elementary and Middle Level Mathematics Education
Modification +Online/Distance	EDF 9473	Qualitative Data Analysis and Presentation in Education
+Online/Distance	EDL 8313	Assessing Content Knowledge for Teacher Leadership
Addition +Online/Distance	EDS 4503 /6503	Issues, History and Rationale of Science Education (was tabled at March 19, 2021 meeting)
Addition +Online/Distance	EDS 4513 /6513	Informal Science Instruction (was tabled at March 19, 2021 meeting)
Addition +Online/Distance	EDS 4523 /6523	Teaching Scientific Inquiry (was tabled at March 19, 2021 meeting)
Addition +Online/Distance	EDS 4533 /6533	Teaching Science with Virtual Reality (was tabled at March 19, 2021 meeting)
+ Online/Distance	EP 2013	Fundamentals of Kinesiology
+Online/Distance	EP 3643	Applied Anatomy and Pathophysiology
+Online/Distance	EP 4133	Exercise Programs for Clinical Populations
+Online/Distance	EP 4143	Aging and Disability
+Online/Distance	EP 4183	Exercise and Weight Control
+Online/Distance	EP 4603	Physical Activity Epidemiology
Addition +Online/Distance	EPY 8390	Applied Behavior Analysis Practicum
Addition +Gen Ed +Online/Distance	MU 2173	Women in Music
Modification +Online/Distance	MUE 4873	Managing the Music Education Classroom
+Online/Distance	PE 1000	Play, Fitness & Physical Activity
Modification +Online/Distance	PE 1091	Contemporary Dance
Modification +Online/Distance	PE 1243	Methods of Teaching Games and Sports
+Online/Distance	PE 1253	Methods of Teaching Lifetime Activities
Modification +Online/Distance	PE 1263	Methods of Teaching Rhythms
Modification +Online/Distance	PE 1323	History and Appreciation of Dance
+Online/Distance	PE 3033	Basketball and Football Officials
+Online/Distance	PE 3153	Methods of Elementary Physical Education
+Online/Distance	PE 3533	Coaching Sports
+Online/Distance	PE 4283	Sport Biomechanics
Modification +Online/Distance	PE 4853	Motor Learning and Skill Analysis
+Online/Distance	PE 4883	School Health Education
+Online/Distance	SS 2003	Foundations of Sport Industry
+Online/Distance	SS 3203	Sport Law
+Online/Distance	SS 3603	Program Planning in Sport and Recreation

+Online/Distance	SS 4103	Ethics in Sport Management
+Online/Distance	SS 4203	Funding of Sport
+Online/Distance	SS 4303 /6303	Globalization & Sport
+Online/Distance	SS 4396	Sports Studies Internship
+Online/Distance	SS 8833	Event and Facility Management

ENGINEERING

+Online/Distance	CHE 3203	Fluid Flow Operations
+Online/Distance	CHE 3213	Heat Transfer Operations (tabled at March 19, 2021 meeting)
+Online/Distance	CHE 4113 /6113	Chemical Reactor Design
+Online/Distance	CHE 4423 /6423	Fundamentals of Industrial Corrosion
Modification +Online/Distance +Gulf Coast	ECE 3141	Circuits I Lab
Modification +Online Distance +Gulf Coast	ECE 3143	Circuits I
Modification +Online Distance +Gulf Coast	ECE 3153	Circuits II
Modification +Online Distance +Gulf Coast	ECE 3244	Electronics I
Modification +Online Distance +Gulf Coast	ECE 3253	Electronics II
Modification +Online Distance +Gulf Coast	ECE 4512	Capstone Design I
Modification	ECE 4522	Capstone Design II
Modification +Online/Distance	ECE 4724 /6724	Embedded Systems
+Online/Distance	EM 3413	Vibrations
+Online/Distance	ME 4443 /6443	Mechanical Systems Design

FOREST RESOURCES

Modification	CFR 1001	First Year Seminar
Modification +Online/Distance	FO 6123 (split level with FO 4123)	Forest Ecology

4. Degree proposals by college/school

AGRICULTURE AND LIFE SCIENCES

Modification	PhD	Agricultural Science/Agricultural and Extension Education
Modification	BS	Agricultural Education, Leadership, and Communication/Agricultural Education, Agricultural Leadership, Agricultural Communication
Modification	MS	Agricultural Extension Education/Community and Extension Education, Teaching and Learning, Teacher Licensure
Modification +Distance	Minor	Environment and Sustainability
Modification +Distance	Certificate	Environment and Sustainability
Modification	MAG	Agriculture/Animal and Dairy
Modification	MS	Agriculture/Animal Science

ARTS AND SCIENCES

Modification	Minor	African American Studies
Modification	Minor	Organizational Leader Development

BUSINESS

Modification	BACC	Accounting
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EDUCATION

Modification	BS	Special Education
Modification	BS	Elementary Education/Early Childhood & Middle School (tabled at March 19, 2021 meeting)
Modification	Ed.D.	Educational Leadership

ENGINEERING

Modification	PhD	Electrical and Computer Engineering
Modification	PhD	Biological Engineering

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: Agriculture and Life Sciences Department: School of Human Sciences

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

Nature of Change: Modification Date Initiated: 1/29/2021 Effective Date: Fall 2021

Current Degree Program Name: Doctor of Philosophy

Major: Concentration:
Agricultural Science Agricultural and Extension Education

New Degree Program Name: Doctor of Philosophy

Major: Concentration:
Agricultural Science Agricultural and Extension Education

Summary of Proposed Changes:

- 1) Update course prefixes
- 2) Change major requirements
- 3) Change research, evaluation, and statistics requirements to include new courses and an option for quantitative or qualitative research methods
- 4) Emphasize the choice of a cognate or minor area of study in the degree program

Approved:

Date:

Michael E. Neuma
Department Head

3-11-21

[Signature]
Chair, College or School Curriculum Committee

3/29/21

[Signature]
Dean of College or School

3/29/2021

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

1. Catalog Description

Current Catalog Description

Ph.D. Program of Study/Completion Requirements

Doctoral Degree (Ph.D.)—The minimum requirement for the Doctor of Philosophy (Ph.D.) degree is the completion of 90 semester hours of graduate credit on an approved program of study above the bachelor's degree. Required courses for the Ph.D. include 30-36 hours of graduate credit in Agricultural and Extension Education, (AIS 8593, AIS 8693, AIS 8243, AIS 8513 and AIS 8413 are required), 16 graduate credits in Statistics, Research and Evaluation (AIS 8803, AIS 8703, AIS 9583 EPY 8214 and 9213 are required), 12 to 18 graduate credits in a minor or supporting area, 0-12 of elective credits, and 20 semester hours of dissertation research/dissertation.

Students must pass a written and an oral comprehensive examination in *both* the major *and* minor/supporting area. Students must also pass the final dissertation *examination*. The student's graduate committee supervises the dissertation and examinations.

Academic Performance—Unsatisfactory performance may be defined as the failure to maintain a B average in graduate courses attempted after admission to the program, a grade of U, D, or F in any course, more than two grades below a B, failure of the comprehensive/preliminary examination, *an unsatisfactory evaluation of a thesis or dissertation*, failure of the *research* defense, or *any other failure of a required component on one's program of study*. Any one of these or a combination of these may constitute the basis for the termination of a student's graduate study in a degree program. To be eligible for the comprehensive/preliminary examination, a graduate student must have a 3.00 GPA on all graduate courses taken after being admitted to the degree program. Upon the recommendation of the major professor or the graduate coordinator, *and the dean*, a student whose academic work is unsatisfactory at any period during a given semester or term may be forced to withdraw from a graduate program. *The College of Agriculture and Life Sciences defines "unsatisfactory" as making more than two grades below C.* A student forced to withdraw can appeal to department faculty. If upheld by the faculty, then the student can submit a written appeal to the *director*. If upheld there, the student may appeal the *dean of the college*.

Proposed Catalog Description

Doctoral Degree (Ph.D.) - The minimum requirement for the Doctor of Philosophy (Ph.D.) degree in Agricultural Science with a concentration in Agricultural and Extension Education is the completion of 62 semester hours beyond a master's degree. Required courses for the Ph.D. include 9 semester hours of core classes in Agricultural and Extension Education, (AELC 8413, AELC 8593, and AELC 8693), a 12 hour cognate or minor in an appropriate department or discipline, 21 semester hours in Research, Evaluation, and Statistics classes (AELC 8703, AELC 8803, AELC 8833, AELC 8853, and EDF 9453 are required with the remaining 6 semester hours in either quantitative methods or qualitative methods), and 20 semester hours of dissertation research/dissertation. Students who enter the Ph.D. program with a master's degree outside the AEE discipline may need to complete additional coursework to fulfill degree requirements. Students should consult the AEE Graduate Coordinator for specific degree requirements to be met.

Students must pass a written and an oral comprehensive examination in the major area. Students who declare an official minor must also pass a written and oral examination in the minor area as well. In addition, students must also pass the final dissertation defense. The student's graduate committee supervises the dissertation and examinations.

Academic Performance—Unsatisfactory performance may be defined as the failure to maintain a B average in graduate courses attempted after admission to the program; a grade of U, D, or F in any course; more than two grades below a B; failure of the comprehensive examination; or failure of the **thesis/dissertation** defense. Any one of these or a combination of these may constitute the basis for the termination of a student's graduate study in a degree program. To be eligible for the comprehensive examination, a graduate student must have a 3.00 GPA on all graduate courses taken after being admitted to the degree program. Upon the recommendation of the major professor or the graduate coordinator, a student whose academic work is unsatisfactory at any period during a given semester or term may be forced to withdraw from a graduate program. A student forced to withdraw can appeal to department faculty. If upheld by the faculty, then the student can submit a written appeal to the Director of the School of Human Sciences. If upheld there, the student may appeal the Dean of the College of Agriculture and Life Sciences.

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: Doctor of Philosophy Major: Agricultural Science Concentrations: Agricultural and Extension Education	Degree: Doctor of Philosophy Major: Agricultural Science Concentrations: Agricultural and Extension Education
<p>Doctoral Degree (Ph.D.)—The minimum requirement for the Doctor of Philosophy (Ph.D.) degree is the completion of 90 semester hours of graduate credit on an approved program of study above the bachelor's degree. Required courses for the Ph.D. include 30-36 hours of graduate credit in Agricultural and Extension Education, (<i>AIS 8593, AIS 8693, AIS 8243, AIS 8513 and AIS 8413 are required</i>), 16 graduate credits in Statistics, Research and Evaluation (<i>AIS 8803, AIS 8703, AIS 9583 EPY 8214 and 9213 are required</i>), 12 to 18 graduate credits in a minor or supporting area, 0-12 of elective credits, and 20 semester hours of dissertation research/dissertation.</p> <p>Students must pass a written and an oral comprehensive examination in <i>both</i> the major <i>and</i> minor/supporting area. Students must also pass the final dissertation examination. The student's graduate committee supervises the dissertation and examinations.</p> <p>Academic Performance—Unsatisfactory performance may be defined as the failure to maintain a B average in graduate courses attempted after admission to the program, a grade of U, D, or F in any course, more than two grades below a B, failure of the comprehensive/preliminary examination, an <i>unsatisfactory evaluation of a thesis or dissertation</i>, failure of the <i>research defense</i>, or <i>any other failure of a required component on one's program of study</i>. Any one of these or a combination of these may constitute the basis for the termination of a student's graduate study in a degree program. To be eligible for the comprehensive/preliminary examination, a graduate student must have a 3.00 GPA on all graduate courses taken after being admitted to the degree program. Upon the recommendation of the major professor or the graduate coordinator, <i>and the dean</i>, a student whose academic work is unsatisfactory at any period during a given semester or term may be forced to withdraw from a graduate program. <i>The College of Agriculture and Life Sciences defines "unsatisfactory" as making more than two grades below C.</i> A student forced to withdraw can appeal to department faculty. If upheld by the faculty, then the student can submit a written appeal to the <i>director</i>. If upheld there, the student may appeal the <i>dean of the college</i>.</p>	<p>Doctoral Degree (Ph.D.) - The minimum requirement for the Doctor of Philosophy (Ph.D.) degree in Agricultural Science with a concentration in Agricultural and Extension Education is the completion of 62 semester hours beyond a master's degree. Required courses for the Ph.D. include 9 semester hours of core classes in Agricultural and Extension Education, (AELC 8413, AELC 8593, and AELC 8693), a 12 hour cognate or minor in an appropriate department or discipline, 21 semester hours in Research, Evaluation, and Statistics classes (AELC 8703, AELC 8803, AELC 8833, AELC 8853, and EDF 9453 are required with the remaining 6 semester hours in either quantitative methods or qualitative methods), and 20 semester hours of dissertation research/dissertation. Students who enter the Ph.D. program with a master's degree outside the discipline may need to complete additional coursework to fulfill degree requirements. Students should consult the AEE Graduate Coordinator for specific degree requirements to be met.</p> <p>Students must pass a written and an oral comprehensive examination in the major area. Students who declare an official minor must also pass a written and oral examination in the minor area as well. In addition, students must also pass the final dissertation defense. The student's graduate committee supervises the dissertation and examinations.</p> <p>Academic Performance—Unsatisfactory performance may be defined as the failure to maintain a B average in graduate courses attempted after admission to the program; a grade of U, D, or F in any course; more than two grades below a B; failure of the comprehensive examination; or failure of the thesis/dissertation defense. Any one of these or a combination of these may constitute the basis for the termination of a student's graduate study in a degree program. To be eligible for the comprehensive examination, a graduate student must have a 3.00 GPA on all graduate courses taken after being admitted to the degree program. Upon the recommendation of the major professor or the graduate coordinator, a student whose academic work is unsatisfactory at any period during a given semester or term may be forced to withdraw from a graduate program. A student forced to withdraw can appeal to</p>

		department faculty. If upheld by the faculty, then the student can submit a written appeal to the Director of the School of Human Sciences . If upheld there, the student may appeal the Dean of the College of Agriculture and Life Sciences .	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses		College Required Courses	
Major Courses Required courses include: <i>AIS 8243 Administration and Supervision</i> <i>AIS 8413 Methodology of Planned Change</i> <i>AIS 8513 Volunteer Development</i> <i>AIS 8593 History and Policy of AEE</i> <i>AIS 8693 Philosophical Foundations of AEE</i> <i>The remaining 15-21 hours are to be selected from remaining AIS courses</i>	30-36 hours	Major Required Courses AELC 8413 – Methods of Planned Change AELC 8593 – Historical Foundations of AEE AELC 8683 – Philosophical Foundations of AEE	9 hours
Statistics, Research and Evaluation Required Courses: AIS 8803 Applying Research Methods EPY 8214 Advanced Statistics EPY 9213 Advanced Analysis AIS 8703 Evaluation of AEE Programs AIS 9583 Analysis and Interpretation of Data in AEE	16 hours	Research, Evaluation, and Statistics Required: AELC 8703 – Evaluation of AEE Programs AELC 8803 – Applying Research Methods to AEE AELC 8833 – Instrumentation and Data Collection Procedures in Social Science Research AELC 8853 – Statistics for the Social and Life Sciences in Agriculture EPY 9453 – Introduction to Qualitative Research Choose from either Quantitative Methods or Qualitative Methods Series Quantitative: AELC 9103 (Applied Multivariate Analysis in Agricultural Science) or EPY 9213 (Multivariate	21 hours 15 hours 6 hours

		Analysis in Educational Research) and AELC 9583 (Analysis and Interpretation of Data in AEE) Qualitative: EDF 9463 (Qualitative Data Collection) and EDF 9473 (Qualitative Data Analysis)	
Minor or Supporting Area	12 – 18 hours	Cognate or Minor Area	12 hours
Electives	11 – 13 hours		
Dissertation	20 hours	Dissertation	20 hours
Total Hours	90 hours	Total Hours	62 hours

3. Justification and Student Learning Outcomes

It has been over 10 years since there have been any changes to the Doctor of Philosophy degree in Agricultural Science with a concentration in Agricultural and Extension Education. Changes proposed to this degree are based on (1) comments received by former students who have completed the program, (2) comments received from prospective students recruited to our graduate programs, and (3) a comparison of similar graduate degree programs at peer institutions offering doctoral degrees in Agricultural and Extension Education.

The requirements for the present doctoral program are somewhat confusing, depending on if you read the description in the Graduate School Catalog or if you read the AEE Graduate Handbook. This revision process attempts to reduce some of that confusion. Furthermore, this program revision will allow doctoral students to focus their interests in a particular area of interest applicable to their career goals. Many of the doctoral programs at our peer institutions are doing the same things in terms of allowing their graduates to focus their interests in a particular area.

Our peer institutions are also now either requiring or strongly encouraging their doctoral students to complete a course in qualitative research methods or to complete a series in qualitative research methods. Our revision recognizes the need to preparing our future graduates for both quantitative and qualitative paradigms and includes not only required courses in both paradigms, but also to complete the research requirements by focusing elective courses in one paradigm or the other.

After completion of this programs, students will be able to:

1. Discuss the historical and philosophical foundations on which agricultural and extension education is based.
2. Apply evaluation and research methodologies to improve formal and non-formal educational programs
3. Communicate research findings in professional settings

Questions for this Modification

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

The program changes proposed in this modification reflect the needs of our stakeholders to better help them advance in their professional careers. Furthermore, the changes in this modification will make us competitive with peer institutions offering similar degrees in the Southeast.

2. Will this program change result in a duplication in the System?

There will not be a duplication of degree programs within the System.

3. Will this program change advance student diversity within the system?

There is no anticipated change in student diversity.

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

There will be no change in the placement of graduates.

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

By completing a doctoral degree, graduates should be able to better advance in their careers, resulting in an increase in the potential salaries of graduates.

4. **Support**

A letter of support from the School of Human Sciences Curriculum Committee is included with this proposal.

5. **Proposed Abbreviation**

AEE

6. **Effective Date**

Fall 2021



MISSISSIPPI STATE
UNIVERSITY.

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

March 17, 2021

Dr. Connor Ferguson
Chair, CALS Curriculum Committee
315 Dorman Hall | Mailstop 9555
Mississippi State, MS 39762

Dr. Ferguson:

The School of Human Sciences Curriculum Committee has reviewed the Agricultural and Extension Education Program (AEE) PhD degree modification proposal, and we support its approval. We believe the proposed degree modification will benefit the students in that department as well as the industry.

Sincerely,

Julie C. Parker, Chair

JuYoung Lee, Member

Andrew McCubbins, Member

Carley Morrison

Digitally signed by Carley Morrison

Carley Morrison, Member

Chelsea Panse-Barron, Member

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: Agriculture and Life Sciences **Department:** School of Human Sciences

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

Nature of Change: Modification **Date Initiated:** 1/29/2021 **Effective Date:** Fall 2021

Current Degree Program Name: Bachelor of Science

Major:

Agricultural Education, Leadership,
and Communication

Concentration:

Agricultural Education, Agricultural
Leadership, and Agricultural Communications

New Degree Program Name: Bachelor of Science

Major:

Agricultural Education, Leadership
and Communication

Concentration:

Agricultural Education, Agricultural
Leadership, and Agricultural Communications

Summary of Proposed Changes:

- 1) Change major core requirements
- 2) Change concentration requirements for each concentration

Approved:

Date:

Michael E. Neuman
Department Head

3-11-21

J. Paul Fagan
Chair, College or School Curriculum Committee

3-29-21

John Miller
Dean of College or School

3/29/2021

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

1. Catalog Description

Current Catalog Description

Agricultural Education, Leadership, and Communications (AELC) Curriculum Major Advisor

(Agricultural Education Concentration): Assistant Professor *Carla Jagger*

Office: (662) 325-7834

Major Advisor (Agricultural Leadership Concentration): Assistant Professor *Laura Greenhaw* Office: (662) 325-1804

Major Advisor (Agricultural Communications Concentration): Assistant Professor *Quisto Settle* Office: (662) 325-0749

The Agricultural Education, Leadership, and Communications major equips graduates with the ability to inform and engage people about agricultural information and issues. This is achieved through curriculum emphasizing practical knowledge and hands-on experiences in teaching, leadership, and communications, in addition to well-rounded, individualized coursework in agricultural topics. Agricultural Education, Leadership, and Communications (AELC) graduates may become involved in a variety of occupations in agricultural business and industry, education, production, extension, and communications. The major requires 124 semester hours as shown in the catalog description. Students may choose to complete a concentration in Agricultural Education, Agricultural Leadership, or Agricultural Communications. The AELC concentrations are achieved by completing a combination of 60 hours of specified courses and restricted agriculture electives as approved by an AELC advisor. All students must earn at least a C in all AELC courses.

The Agricultural Education Concentration prepares individuals seeking careers as an agricultural education teacher. The Agricultural Leadership Concentration develops students' skills for employment with the Extension service or a variety of agricultural industry careers. The Agricultural Communications Concentration *develops students' abilities to communicate about agricultural and life sciences issues.*

Students desiring to receive certification to teach in secondary agricultural education programs will need to complete certification requirements. The Agricultural Education teacher education program at Mississippi State University is *Council for Accreditation of Education Preparation (CAEP) accredited*. Students must conform to the policies on teacher education, as explained under "Teacher Licensure" elsewhere in this catalog.

Graduates will have knowledge of

1. principles of teaching and learning;
2. principles and theories of leadership;
3. principles of *human* communication; and
4. basic agricultural sciences.

Graduates will be able to

1. plan and conduct agricultural education programs in classroom and community settings;
2. *communicate effectively orally and in writing to various audiences;*
3. be proficient in computer applications; and
4. be readily prepared for employment.

In capstone courses, students produce and present reports that demonstrate the performance learning objectives. In addition to faculty assessment, external assessors from other departments and *from typical clientele audiences* observe presentations and provide feedback.

Field experience supervisors and co-curricular sponsors, along with student participants, provide feedback about the field experience using a form based on the learning objectives.

Proposed Catalog Description

Agricultural Education, Leadership, and Communications (AELC) Curriculum Major Advisor

(Agricultural Education Concentration): **Dr. Andrew McCubbins**

Office: (662) 325-7834

Major Advisor (Agricultural Leadership Concentration): **Dr. Lacey Roberts** Office: (662) 325-0911

Major Advisor (Agricultural Communications Concentration): **Dr. Carley Morrison** Office: (662) 325-0749

The Agricultural Education, Leadership, and Communications major equips graduates with the ability to inform and engage people about agricultural information and issues. This is achieved through curriculum emphasizing practical knowledge and hands-on experiences in teaching, leadership, and communications, in addition to well-rounded, individualized coursework in agricultural topics. Agricultural Education, Leadership, and Communications (AELC) graduates may become involved in a variety of occupations in agricultural business and industry, education, production, extension, and communications. The major requires 124 semester hours as shown in the catalog description. Students may choose to complete a concentration in Agricultural Education, Agricultural Leadership, or Agricultural Communications. The AELC concentrations are achieved by completing a combination of **59** hours of specified courses and restricted agriculture electives as approved by an AELC advisor. All students must earn at least a C in all AELC courses.

The Agricultural Education Concentration prepares individuals seeking careers as an agricultural education teacher. The Agricultural Leadership Concentration develops students' skills for employment with the Extension service or a variety of agricultural industry careers. The Agricultural Communications Concentration **prepares students to communicate and advocate for agriculture and the industry.**

Students desiring to receive certification to teach in secondary agricultural education programs will need to complete certification requirements. The Agricultural Education teacher education program at Mississippi State University **is accredited by the Council for Accreditation of Education Preparation (CAEP).** Students must conform to the policies on teacher education, as explained under "Teacher Licensure" elsewhere in this catalog.

Graduates will have knowledge of

1. principles of teaching and learning;
2. principles and theories of leadership;
3. principles of professional communication; and
4. basic agricultural sciences.

Graduates will be able to

1. plan and conduct agricultural education programs in classroom and community settings;
2. **demonstrate professional oral, written, and digital communication strategies to various audiences;**
3. be proficient in computer applications; and
4. be readily prepared for employment.

In capstone courses, students produce and present reports that demonstrate the performance learning objectives. In addition to faculty assessment, external assessors from other departments and **industry** observe presentations and provide feedback.

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
<p>Degree: Bachelor of Science Major: Agricultural Education, Leadership, and Communication Concentration: Agricultural Education, Agricultural Leadership, Agricultural Communication</p>	<p>Degree: Bachelor of Science Major: Agricultural Education, Leadership, and Communication Concentration: Agricultural Education, Agricultural Leadership, Agricultural Communication</p>
<p>The Agricultural Education, Leadership, and Communications major equips graduates with the ability to inform and engage people about agricultural information and issues. This is achieved through curriculum emphasizing practical knowledge and hands-on experiences in teaching, leadership, and communications, in addition to well-rounded, individualized coursework in agricultural topics. Agricultural Education, Leadership, and Communications (AELC) graduates may become involved in a variety of occupations in agricultural business and industry, education, production, extension, and communications. The major requires 124 semester hours as shown in the catalog description. Students may choose to complete a concentration in Agricultural Education, Agricultural Leadership, or Agricultural Communications. The AELC concentrations are achieved by completing a combination of 60 hours of specified courses and restricted agriculture electives as approved by an AELC advisor. All students must earn at least a C in all AELC courses.</p> <p>The Agricultural Education Concentration prepares individuals seeking careers as an agricultural education teacher. The Agricultural Leadership Concentration develops students' skills for employment with the Extension service or a variety of agricultural industry careers. The Agricultural Communications Concentration <i>develops students' abilities to communicate about agricultural and life sciences issues.</i></p> <p>Students desiring to receive certification to teach in secondary agricultural education programs will need to complete certification requirements. The Agricultural Education teacher education program at Mississippi State University is Council for Accreditation of Education Preparation (CAEP) <i>accredited</i>. Students must conform to the policies</p>	<p>The Agricultural Education, Leadership, and Communications major equips graduates with the ability to inform and engage people about agricultural information and issues. This is achieved through curriculum emphasizing practical knowledge and hands-on experiences in teaching, leadership, and communications, in addition to well-rounded, individualized coursework in agricultural topics. Agricultural Education, Leadership, and Communications (AELC) graduates may become involved in a variety of occupations in agricultural business and industry, education, production, extension, and communications. The major requires 124 semester hours as shown in the catalog description. Students may choose to complete a concentration in Agricultural Education, Agricultural Leadership, or Agricultural Communications. The AELC concentrations are achieved by completing a combination of 59 hours of specified courses and restricted agriculture electives as approved by an AELC advisor. All students must earn at least a C in all AELC courses.</p> <p>The Agricultural Education Concentration prepares individuals seeking careers as an agricultural education teacher. The Agricultural Leadership Concentration develops students' skills for employment with the Extension service or a variety of agricultural industry careers. The Agricultural Communications Concentration prepares students to communicate and advocate for agriculture and the industry.</p> <p>Students desiring to receive certification to teach in secondary agricultural education programs will need to complete certification requirements. The Agricultural Education teacher education program at Mississippi State University is accredited by the Council for Accreditation of Education Preparation (CAEP). Students must</p>

<p>on teacher education, as explained under "Teacher Licensure" elsewhere in this catalog.</p> <p>Graduates will have knowledge of</p> <ol style="list-style-type: none"> 1. principles of teaching and learning; 2. principles and theories of leadership; 3. principles of <i>human</i> communication; and 4. basic agricultural sciences. <p>Graduates will be able to</p> <ol style="list-style-type: none"> 1. plan and conduct agricultural education programs in classroom and community settings; 2. <i>communicate effectively orally and in writing to various audiences;</i> 3. be proficient in computer applications; and 4. be readily prepared for employment. <p>In capstone courses, students produce and present reports that demonstrate the performance learning objectives. In addition to faculty assessment, external assessors from other departments and from <i>typical clientele audiences</i> observe presentations and provide feedback.</p> <p><i>Field experience supervisors and co-curricular sponsors, along with student participants, provide feedback about the field experience using a form based on the learning objectives.</i></p>		<p>conform to the policies on teacher education, as explained under "Teacher Licensure" elsewhere in this catalog.</p> <p>Graduates will have knowledge of</p> <ol style="list-style-type: none"> 1. principles of teaching and learning; 2. principles and theories of leadership; 3. principles of professional communication; and 4. basic agricultural sciences. <p>Graduates will be able to</p> <ol style="list-style-type: none"> 1. plan and conduct agricultural education programs in classroom and community settings; 2. demonstrate professional oral, written, and digital communication strategies to various audiences; 3. be proficient in computer applications; and 4. be readily prepared for employment. <p>In capstone courses, students produce and present reports that demonstrate the performance learning objectives. In addition to faculty assessment, external assessors from other departments and industry observe presentations and provide feedback.</p>	
"[Click here and type old concentration description]"		"[Click here and type new concentration description]"	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
English (Ex: EN 1103 English Comp I):	6	English (Ex: EN 1103 English Comp I):	6
Any Gen Ed Course		Any Gen Ed Course	
Fine Arts (General Education):	3	Fine Arts (General Education):	3
Any Gen Ed Course		Any Gen Ed Course	
Natural Sciences	7	Natural Sciences	7
BIO 1134 BIO 1144 or PSS 1313		BIO 1134 BIO 1144 or PSS 1313	
Extra Science (if appropriate)	3	Extra Science (if appropriate)	3
CH 1043 or CH 1053 or CH 1213		CH 1043 or CH 1053 or CH 1213	

Math (General Education): MA 1313 MA 1323 or MA/ST 2113	6	Math (General Education): MA 1313 MA 1323 or MA/ST 2113	6
Humanities (General Education): Any Gen Ed Course	6	Humanities (General Education): Any Gen Ed Course	6
Social/Behavioral Sciences (Gen Ed): AEC 2713 or EC 2113 or EC 2123 See concentration for second Social/Behavioral Science course.	3	Social/Behavioral Sciences (Gen Ed): AEC 2713 or EC 2113 or EC 2123 See concentration for second Social/Behavioral Science course.	3
Major Core Courses <i>ADS 1113 - Animal Science</i> <i>ADS 1121 -Animal Science Lab</i> AELC 2413 - Orientation to AELC AELC 3203-Prof Writing ANR Hum Sci AELC 3333 – Professional Presentations in ALS AELC 3803 - Foundations of Leadership in ALS AELC 4203 - App Compute Tech AELC AELC 4403 - Development of Youth Programs AELC 4424 - Teaching Methods in Ag & Human Sciences <i>PSS 3301 - Soils Lab</i> <i>PSS 3303 - Soils</i>	30	Major Core Courses AELC 2413 - Orientation to AELC AELC 3203-Prof Writing ANR Hum Sci AELC 3333 – Professional Presentations in ALS AELC 3423 – Graphic Design in Ag & Life Sciences AELC 3803 - Foundations of Leadership in ALS AELC 4203 - App Compute Tech AELC AELC 4223 – Communication Strategies in Ag & Life Sciences AELC 4403 - Development of Youth Programs AELC 4424 - Teaching Methods in Ag & Human Sciences AELC 4803 – Contemporary Issues in Ag & Life Sciences	31
Concentration: Agricultural Education AELC 3013 - Field Experience in AELC <i>AELC 4113 - Methods of Teaching Agriscience</i>	60	Concentration: Agricultural Education AELC 3013 - Field Experience in AELC AELC 4613 – Teaching Agricultural Mechanics	59

<p><i>AELC 4703 - Experiential Learning Programs in Agriculture</i></p> <p>AELC 4873 - Professional Seminar in Ag Ed</p> <p>AELC 4886 - Teaching Internship in Ag Ed</p> <p>AELC 4896 -Teaching Internship in Ag Ed</p> <p>EDX 3213 - Individualizing Instruction for Exceptional Children</p> <p>PSY 1013 - General Psychology</p> <p>Restricted Plant Science Elective (Select one course from the following: PSS 1113, 2343, 2423, 3133, 3923, 4103, 4123, 4133, 4613, FO 2113)</p> <p><i>Restricted Environmental Science Elective (Select one course from the following: FO 4513, PSS 4333, ENS 2103)</i></p> <p>Restricted Animal Science Elective (Select one class from the following: ADS 2102, 2122, 3142, 3213, 3223, 3312, 3314, 3812,4113, 4212, 4223, 4232, 4323, 4813, PO 3313)</p> <p>15-16 hours of agriculture electives</p> <p>6 hours free electives</p>		<p>AELC 4723 – Pedagogy of AgriScience Programs</p> <p>AELC 4873 - Professional Seminar in Ag Ed</p> <p>AELC 4886 - Teaching Internship in Ag Ed</p> <p>AELC 4896 -Teaching Internship in Ag Ed</p> <p>EDX 3213 - Individualizing Instruction for Exceptional Children</p> <p>PSY 1013 - General Psychology</p> <p>ADS 1113 - Animal Science</p> <p>ADS 1121 -Animal Science Lab</p> <p>Restricted Animal Science Elective (Select one class from the following: ADS 2102, 2122, 3142, 3213, 3223, 3312, 3314, 3812,4113, 4212, 4223, 4232, 4323, 4813, PO 3313)</p> <p>PSS 3301 – Soils Lab</p> <p>PSS 3303 – Soils</p> <p>Restricted Plant Science Elective (Select one course from the following: PSS 1113, 2343, 2423, 3133, 3923, 4103, 4123, 4133, 4613, FO 2113)</p> <p>FO 4513 or 3 hr advisor approved course</p> <p>Minimum 6 hours of agriculture electives</p> <p>6 hours free electives</p>	
<p>Concentration: Agricultural Leadership</p> <p>PHI 1123 – Introduction to Ethics or MGT 3823 – Socially Responsible Leadership</p> <p>PSY 3603 – Social Psychology or PS 3013 – Political Leadership</p>	60	<p>Concentration: Agricultural Leadership</p> <p>PHI 1123 – Introduction to Ethics or MGT 3823 – Socially Responsible Leadership</p> <p>PSY 3603 – Social Psychology or PS 3013 – Political Leadership</p>	59

<p>CO 1003 – Fundamental of Public Speaking or CO 3213 – Small Group Communication or CO 3803 – Principles of Public Relations</p> <p>AELC 3813 – Team Leadership in ALS</p> <p><i>AELC 4803 – Contemporary Issues in Ag & Life Sciences</i></p> <p>PSY 1013 – General Psychology of PS 1113 – American Government or SO 1003 – Introduction to Sociology</p> <p><i>Agricultural Leadership Elective (3 hrs)</i> (Choose one course from: ENS 2103 - Intro to Environmental Science, or PS 2703 - Intro to Public Policy)</p> <p><i>AELC 3500 Internship in Agricultural Leadership (3 hrs)</i></p> <p>18 hours of advisor-approved, 3000 - 4000 level, focus area related to career objective (see advisor for suggested areas)</p> <p>12 hours Agriculture, Business, Management, Marketing, or Communication electives (to include <u>all</u> CALS 1000 level and above: ADS, AEC, AELC, PSS, ABE, WFA, FNH, LA, FO, PO, EPP; and MGT, MKT, CO, BL)</p> <p>6 hrs of free electives</p>		<p>CO 1003 – Fundamental of Public Speaking or CO 3213 – Small Group Communication or CO 3803 – Principles of Public Relations</p> <p>AELC 3813 – Team Leadership in ALS</p> <p>PSY 1013 – General Psychology of PS 1113 – American Government or SO 1003 – Introduction to Sociology</p> <p>PS 2703 - Intro to Public Policy</p> <p>AELC 3503 Internship in Agricultural Science and Leadership (3 hrs)</p> <p>ADS 1113/1121 (Animal Science/Animal Science Lab) or EPP 2213 (Intro to Insects) or PSS 3301/3303 (Soils Lab/Soils)</p> <p>Minimum 16 hours of advisor-approved, 3000 - 4000 level, focus area related to career objective (see advisor for suggested areas)</p> <p>12 hours Agriculture, Business, Management, Marketing, or Communication electives (to include <u>all</u> CALS 1000 level and above: ADS, AEC, AELC, PSS, ABE, WFA, FNH, LA, FO, PO, EPP; and MGT, MKT, CO, BL)</p> <p>6 hrs of free electives</p>	
<p>Concentration: Agricultural Communication</p> <p>AELC 3603 - Internship in Agricultural Communications (3 hrs)</p> <p><i>AELC 4223 - Communication Strategies in Agriculture and Life Sciences</i></p> <p><i>AELC 4803 - Contemporary Issues in ALS</i></p>	60	<p>Concentration: Agricultural Communication</p> <p>AELC 3603 - Internship in Agricultural Communications</p> <p>CO 1403 - Introduction to Mass Media</p> <p>CO 2333 - Television Production</p> <p>CO 2413 - Intro to News Writing</p> <p>CO 3403 – Photographic Communication</p>	59

CO 1403 - Introduction to Mass Media CO 2333 - Television Production CO 2413 - Intro to News Writing CO 3403 – Photographic Communication <i>CO 3713 - Digital Communication or TKB 4583 Graphics and Web Design</i> CO 3803 - Principles of Public Relations PSY 1013 - General Psychology or PS 1113 -American Government or SO 1003 - Introduction to Sociology 24 hours of advisor-approved focus area related to career objective (see advisor for suggested areas). A maximum of 9 hours may be 1000- or 2000-level. All remaining hours must be 3000- or 4000-level courses taken at Mississippi State University. Completing a minor in Communications, Political Science, or Art is recommended as a part of your program of study. 6 hours free electives		CO 3803 - Principles of Public Relations CO 3853 – Public Relations Writing CO 3863 – PR Production PSY 1013 - General Psychology or PS 1113 -American Government or SO 1003 - Introduction to Sociology ADS 1113/1121 (Animal Science/Animal Science Lab) or EPP 2213 (Intro to Insects) or PSS 3301/3303 (Soils Lab/Soils) Minimum 22 hours of advisor-approved focus area courses related to agricultural communications. A minimum of 15 hours must be 3000- or 4000-level courses taken at Mississippi State University. Completing a minor in Communications, Political Science, or Art is recommended as a part of your program of study. 6 hours free electives	
Total Hours	124	Total Hours	124

3. Justification and Learning Outcomes

This degree modification is being submitted to reflect changes made to the major core for all AELC majors and to incorporate courses within each concentration to better prepare students in each area.

Upon completion of this program, graduates will have knowledge of (1) principles of teaching and learning; (2) principles and theories of leadership; (3) theories and principles of **professional** communication; and (4) basic agricultural sciences.

Upon completion of this program, graduates will be able to (1) plan and conduct education programs in classroom and community settings, (2) **demonstrate professional oral, written, and digital communication strategies to various audiences**, (3) be proficient in computer applications, and (4) be readily prepared for employment.

4. Support

A letter of support from the School of Human Sciences Curriculum Committee is included with this proposal.

5. Proposed 4-Letter

AELC

6. Effective Date

Fall 2021



MISSISSIPPI STATE
UNIVERSITY.

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

March 17, 2021

Dr. Connor Ferguson
Chair, CALS Curriculum Committee
315 Dorman Hall | Mailstop 9555
Mississippi State, MS 39762

Dr. Ferguson:

The School of Human Sciences Curriculum Committee has reviewed the Agricultural Education, Leadership, and Communications (AELC) degree modification proposal, and we support its approval. We believe the proposed degree modification will be beneficial for students in that department as well as the industry.

Sincerely,

Julie Parker
Julie C. Parker, Chair

JuYoung Lee, Member

OP McCubbins

Andrew McCubbins, Member

Carley Morrison

Digitally signed by Carley Morrison

Carley Morrison, Member

Chelsea Panse-Barone
Chelsea Panse-Barron, Member

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: Agriculture and Life Sciences **Department:** School of Human Sciences

Contact Person: Kirk Swortzel **Mail Stop:** 9745 **E-mail:** kirk.swortzel@msstate.edu
Nature of Change: Modification **Date Initiated:** 1/29/2021 **Effective Date:** Fall 2021
Current Degree Program Name: Master of Science

Major: Agricultural and Extension Education **Concentration:** Teaching, Leadership

New Degree Program Name: Master of Science

Major: Agricultural and Extension Education **Concentration:** Community and Extension Education,
Teaching and Learning,
Teacher Licensure

Summary of Proposed Changes:

- 1) Rename Leadership Concentration to Community and Extension Education Concentration
- 2) Rename Teaching Concentration to Teacher Licensure Concentration
- 3) Add Teaching and Learning Concentration
- 4) Update sources for guidelines and policies to be followed in degree programs
- 5) Change course requirements to reflect needs of stakeholders

Approved:

Date:

Michael E. Neuman
Department Head

3-11-21

J. Lee Ferguson
Chair, College or School Curriculum Committee

3-29-21

John W. Williams
Dean of College or School

3/29/2021

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

1. Catalog Description

Current Catalog Description

M.S. Program of Study/Completion Requirements

For students completing the thesis option, students must complete a minimum of 12 hours of coursework at the 8000 level. For students completing the non-thesis option, students must complete a minimum of 15 hours of coursework at the 8000 level. All students must either complete a thesis (AELC 8000) or a creative component (AELC 8100) for a minimum of 6 credit hours to meet degree requirements. *Students completing the thesis option will also be expected to complete AELC 8803 and an approved statistics course beyond the minimum degree requirements.*

A minimum of 31 hours of coursework in a planned program of study must be completed for the *AEE Leadership Concentration*. The required courses for the leadership concentration are: AELC 8403, AELC 8503, AELC 8801, AELC 8203 or AELC 8263, AELC 8413, AELC 8703 or AELC 8803, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). *Students who have completed AELC/HDFS 4424 as an undergraduate may complete three hours of an approved elective in place of AELC 8403.* The remaining courses in the leadership concentration may be a combination of approved electives or those courses to comprise a minor. *A faculty member from the minor area should also be a member of the student's graduate committee.*

Students in the *AEE Teaching Concentration* are required to complete a minimum of 34 hours of coursework. The required courses for the *teaching concentration* are AELC 8403, AELC 8503, AELC 8801, AELC 6113, EPY 6033 or AELC 8693, AELC 6403, AELC 6703, EDX 8173, AELC 8603, AELC 8613, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). Students who have completed AELC/HDFS 4424 as an undergraduate may complete three hours of an approved elective in place of AELC 8403. Depending on the student's undergraduate major, the student may be required to complete undergraduate coursework to meet deficiencies required for teacher licensure. Furthermore, a student must have earned at least a 3.00 GPA on coursework taken in the program to be eligible to enroll in AELC 8603 and AELC 8613 (teaching internship). An Application for Admission to Student Teaching form must be submitted to the *Director of Clinical/Field Based Instruction* one semester prior to student teaching. The student must submit the minimum Praxis II - Principles of Learning and Teaching: Grades 7-12 (PLT) score as required by the *Mississippi State University College of Education* to meet graduation requirements and to the *Mississippi Department of Education* to obtain licensure. To be eligible for graduation, students must have a 3.00 GPA after completion of all coursework and internships.

To secure a Mississippi educator's license, the student must request that ETS send a copy of his or her score on the Principles of Learning and Teaching (PLT) to Mississippi State University (Code R1480) or to MSU Meridian (Code R3336). It is imperative that the student retains the originals of test scores in a safe place.

In accordance with statutory provisions, the Mississippi Department of Education, Jackson, Mississippi, has adopted the rules and regulations on issuing and renewing teaching licenses, which are set forth in *Guidelines for Mississippi Educator Licensure, July 1999*. The licensure program is applicable to all teacher licenses. Satisfactory completion of any teaching curriculum offered by the *College of Education* will enable the graduate to apply for teaching licensure in Mississippi, but this institution can neither waive any licensure requirements nor authorize substitutions for mandatory courses. Mississippi State University has submitted and received approval for its programs. *Consequently, a student who plans to transfer from another university or college to the College of Education should consult with the Director of Clinical/Field-Based instruction or an advisor in the College of Education to ascertain the general education, professional educational, and specialized education courses which must be completed to obtain a teaching license in the field or fields of his or her choice.* Since teacher licenses are issued by the Mississippi Department of Education only, and not by the teacher education institutions, applications for licensure and original test scores must be filed with the Mississippi Department of Education by the applicant. Information concerning teacher licensure can be obtained from the *Office of Clinical/Field-Based Instruction and Outreach*.

A student who chooses to complete a thesis must pass a final thesis defense and submit the thesis to complete degree requirements. A student who chooses to complete a creative component must pass the final defense of the creative component and complete an oral comprehensive examination over all course work completed.

Proposed Catalog Description

For students completing the thesis option, students must complete a minimum of 12 hours of coursework at the 8000 level. For students completing the non-thesis option, students must complete a minimum of 15 hours of coursework at the 8000 level. All students must either complete a thesis (AELC 8000) or a creative component (AELC 8100) for a minimum of 6 credit hours to meet degree requirements.

A minimum of **33** hours of coursework in a planned program of study must be completed for **all concentrations**. The Community and Extension Education Concentration prepares future employees and administrators for careers in extension and community/non-formal educational settings. These students will focus on basic foundational principles in agricultural and extension education and enhance their skills in program planning, teaching methods, evaluation methods, and communication technologies. The required courses for the **Community and Extension Education Concentration** are: **AELC6103, AELC8203, AELC8243, AELC 8503, AELC8703, AELC8803, AELC 8853**, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). The remaining courses (6 hours) in the **Community and Extension Education Concentration** may be a combination of approved electives or courses being used for a minor in another department. **Students who want to earn a minor will be expected to exceed the minimum requirements (33 hours) for the degree. If a student selects to earn a minor, a faculty member from the minor area should also be a member of the student's graduate committee.**

The Teaching and Learning Concentration enhances the careers of those employed in agricultural education professions, such as public-school teaching, community college instruction, or training and development positions in industry. Students will complete coursework to gain valuable knowledge and experience in designing, implementing, and evaluating educational programs. The required courses for the Teaching and Learning Concentration are AELC 8203, AELC 8503, AELC 8703, AELC 8803, AELC 8853, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). The remaining credits in this concentration will include 6 hours of AELC or education coursework and 6 hours of agriculture coursework. **Students may choose to earn a minor from another department, but will be expected to exceed the minimum requirements (33 hours) for the degree. If a student selects to earn a minor, a faculty member from the minor area should also be a member of the student's graduate committee.**

Students in the **Teacher Licensure Concentration** are required to complete a minimum of 33 hours of coursework. The required courses for the **Teacher Licensure Concentration** are AELC 6403, **AELC 6613, AELC 6723, AELC 6873**, AELC 8403, AELC 8603, AELC 8613, AELC 8693, EDX 8173, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). Students who have completed AELC/HDFS 4424 as an undergraduate may complete three hours of an approved elective in place of AELC 8403. Depending on the student's undergraduate major, the student may be required to complete undergraduate coursework to meet deficiencies required for teacher licensure. Furthermore, a student must have earned at least a 3.00 GPA on coursework taken in the program to be eligible to enroll in AELC 8603 and AELC 8613 (teaching internship). An Application for Admission to Student Teaching form must be submitted to the **AEE Graduate Coordinator** one semester prior to student teaching. The student must submit the minimum Praxis II - Principles of Learning and Teaching: Grades 7-12 (PLT) score as required by the **Mississippi Department of Education** to meet graduation requirements and to obtain licensure. To be eligible for graduation, students must have a 3.00 GPA after completion of all coursework and internships.

To secure a Mississippi educator's license, the student must request that ETS send a copy of his or her score on the Principles of Learning and Teaching (PLT) to Mississippi State University (Code R1480). It is imperative that the student retains the originals of test scores in a safe place.

In accordance with statutory provisions, the Mississippi Department of Education, Jackson, Mississippi, has adopted the rules and regulations on issuing and renewing teaching licenses, which are set forth in *Guidelines for Mississippi Educator Licensure K-12, July 2020*. The licensure program is applicable to all teacher licenses. Satisfactory completion of the **Teacher Licensure Concentration offered by the AEE Graduate Program** will enable the graduate to apply for teaching licensure in Mississippi, but this institution can neither waive any licensure requirements nor authorize substitutions for mandatory courses. Mississippi State University has submitted and received approval for its programs. Since teacher licenses are issued by the Mississippi Department of Education only, and not by the teacher education institutions, applications for licensure and original test scores must be filed with the Mississippi Department of Education by the applicant. Information concerning teacher licensure can be obtained from the **AEE Graduate Coordinator**.

A student who chooses to complete a thesis must pass a final thesis defense and submit the thesis to complete degree requirements. A student who chooses to complete a creative component must pass the final defense of the creative component and complete an oral comprehensive examination over all course work completed.

Academic Performance—Unsatisfactory performance may be defined as the failure to maintain a B average in graduate courses attempted after admission to the program; a grade of U, D, or F in any course; more than two grades below a B; failure of the comprehensive examination; or failure of the thesis/dissertation defense. Any one of these or a combination of these may constitute the basis for the termination of a student's graduate study in a degree program. To be eligible for the comprehensive, a graduate student must have a 3.00 GPA on all graduate courses taken after being admitted to the degree program. Upon the recommendation of the major professor or the graduate coordinator, a student whose academic work is unsatisfactory at any period during a given semester or term may be forced to withdraw from a graduate program. A student forced to withdraw can appeal to department faculty. If upheld by the faculty, then the student can submit a written appeal to the Director of the School of Human Sciences. If upheld there, the student may appeal the Dean of the College of Agriculture and Life Sciences.

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
<p>Degree: Master of Science Major: Agricultural and Extension Education Concentrations: <i>Leadership, Teaching</i></p>	<p>Degree: Master of Science Major: Agricultural and Extension Education Concentrations: Community and Extension Education, Teaching and Learning, Teacher Licensure</p>
<p>For students completing the thesis option, students must complete a minimum of 12 hours of coursework at the 8000 level. For students completing the non-thesis option, students must complete a minimum of 15 hours of coursework at the 8000 level. All students must either complete a thesis (AELC 8000) or a creative component (AELC 8100) for a minimum of 6 credit hours to meet degree requirements. <i>Students completing the thesis option will also be expected to complete AELC 8803 and an approved statistics course beyond the minimum degree requirements.</i></p> <p>A minimum of 31 hours of coursework in a planned program of study must be completed for the <i>AEE Leadership Concentration</i>. The required courses for the leadership concentration are: AELC 8403, AELC 8503, <i>AELC 8801</i>, AELC 8203 or <i>AELC 8263</i>, <i>AELC 8413</i>, AELC 8703 or AELC 8803, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). <i>Students who have completed AELC/HDFS 4424 as an undergraduate may complete three hours of an approved elective in place of AELC 8403.</i> The remaining courses in the leadership concentration may be a combination of approved electives or those courses to comprise a minor. A faculty member from the minor area should also be a member of the student's graduate committee.</p> <p>Students in the <i>AEE Teaching Concentration</i> are required to complete a minimum of 34 hours of coursework. The required courses for the <i>teaching concentration</i> are AELC 8403, <i>AELC 8503</i>, <i>AELC 8801</i>, <i>AELC 6113</i>, <i>EPY 6033</i> or AELC 8693, AELC 6403, <i>AELC 6703</i>, EDX 8173, AELC 8603, AELC 8613, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). Students who have completed AELC/HDFS 4424 as an undergraduate may complete three hours of an approved elective in place of AELC 8403. Depending on the student's undergraduate major, the student may be required to complete undergraduate coursework to meet deficiencies</p>	<p>For students completing the thesis option, students must complete a minimum of 12 hours of coursework at the 8000 level. For students completing the non-thesis option, students must complete a minimum of 15 hours of coursework at the 8000 level. All students must either complete a thesis (AELC 8000) or a creative component (AELC 8100) for a minimum of 6 credit hours to meet degree requirements.</p> <p>A minimum of 33 hours of coursework in a planned program of study must be completed for all concentrations. The Community and Extension Education Concentration prepares future employees and administrators for careers in extension and other community and non-formal educational settings. These students will focus on basic foundational principles in agricultural and extension education and enhance their skills in program planning, teaching methods, evaluation methods, and communication technologies. The required courses for the Community and Extension Education Concentration are: AELC 6103, AELC 8203, AELC 8243, AELC 8503, AELC 8703, AELC 8803, AELC 8853, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). The remaining courses (6 hours) in the Community and Extension Education Concentration may be a combination of approved electives courses being used for a minor in another department. Students who want to earn a minor will be expected to exceed the minimum requirements (33 hours) for the degree. If a student selects to earn a minor, a faculty member from the minor area should also be a member of the student's graduate committee.</p> <p>The Teaching and Learning Concentration enhances the careers of those employed in agricultural education professions, such as public-school teaching, community college instruction, or training and development positions in industry. Students will complete coursework to gain valuable knowledge and experience in designing, implementing, and evaluating educational programs. The required</p>

required for teacher licensure. Furthermore, a student must have earned at least a 3.00 GPA on coursework taken in the program to be eligible to enroll in AELC 8603 and AELC 8613 (teaching internship). An Application for Admission to Student Teaching form must be submitted to the *Director of Clinical/Field Based Instruction* one semester prior to student teaching. The student must submit the minimum Praxis II - Principles of Learning and Teaching: Grades 7-12 (PLT) score as required by the *Mississippi State University College of Education* to meet graduation requirements and to the *Mississippi Department of Education* to obtain licensure. To be eligible for graduation, students must have a 3.00 GPA after completion of all coursework and internships.

To secure a Mississippi educator's license, the student must request that ETS send a copy of his or her score on the Principles of Learning and Teaching (PLT) to Mississippi State University (Code R1480) or to *MSU Meridian* (Code R3336). It is imperative that the student retains the originals of test scores in a safe place.

In accordance with statutory provisions, the Mississippi Department of Education, Jackson, Mississippi, has adopted the rules and regulations on issuing and renewing teaching licenses, which are set forth in *Guidelines for Mississippi Educator Licensure, July 1999*. The licensure program is applicable to all teacher licenses. Satisfactory completion of any teaching curriculum offered by the *College of Education* will enable the graduate to apply for teaching licensure in Mississippi, but this institution can neither waive any licensure requirements nor authorize substitutions for mandatory courses. Mississippi State University has submitted and received approval for its programs. *Consequently, a student who plans to transfer from another university or college to the College of Education should consult with the Director of Clinical/Field-Based instruction or an advisor in the College of Education to ascertain the general education, professional educational, and specialized education courses which must be completed to obtain a teaching license in the field or fields of his or her choice.* Since teacher licenses are issued by the Mississippi Department of Education only, and not by the teacher education institutions, applications for licensure and original test scores must be filed with the Mississippi Department of Education

courses for the Teaching and Learning Concentration are AELC 8203, AELC 8503, AELC 8703, AELC 8803, AELC 8853, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). The remaining credits in this concentration will include 6 hours of AELC or education coursework and 6 hours of agriculture coursework. **Students may choose to earn a minor from another department, but will be expected to exceed the minimum requirements (33 hours) for the degree.** If a student selects to earn a minor, a faculty member from the minor area should also be a member of the student's graduate committee.

Students in the Teacher Licensure Concentration are required to complete a minimum of 33 hours of coursework. The required courses for the **Teacher Licensure Concentration** are AELC 6403, AELC 6613, AELC 6723, AELC 6873, AELC 8403, AELC 8603, AELC 8613, AELC 8693, EDX 8173, and either AELC 8000 or AELC 8100 (minimum of 6 credit hours). Students who have completed AELC/HDFS 4424 as an undergraduate may complete three hours of an approved elective in place of AELC 8403. Depending on the student's undergraduate major, the student may be required to complete undergraduate coursework to meet deficiencies required for teacher licensure. Furthermore, a student must have earned at least a 3.00 GPA on coursework taken in the program to be eligible to enroll in AELC 8603 and AELC 8613 (teaching internship). An Application for Admission to Student Teaching form must be submitted to the **AEE Graduate Coordinator** one semester prior to student teaching. The student must submit the minimum Praxis II - Principles of Learning and Teaching: Grades 7-12 (PLT) score as required by the **Mississippi Department of Education** to meet graduation requirements and to obtain licensure. To be eligible for graduation, students must have a 3.00 GPA after completion of all coursework and internships.

To secure a Mississippi educator's license, the student must request that ETS send a copy of his or her score on the Principles of Learning and Teaching (PLT) to Mississippi State University (Code R1480). It is imperative that the student retains the originals of test scores in a safe place.

In accordance with statutory provisions, the Mississippi Department of Education, Jackson, Mississippi, has adopted the rules and regulations on issuing and renewing teaching

by the applicant. Information concerning teacher licensure can be obtained from the *Office of Clinical/Field-Based Instruction and Outreach*.

A student who chooses to complete a thesis must pass a final thesis defense and submit the thesis to complete degree requirements. A student who chooses to complete a creative component must pass the final defense of the creative component and complete an oral comprehensive examination over all course work completed.

licenses, which are set forth in *Guidelines for Mississippi Educator Licensure K-12, July 2020*. The licensure program is applicable to all teacher licenses. Satisfactory completion of the **Teacher Licensure Concentration offered by the AEE Graduate Program** will enable the graduate to apply for teaching licensure in Mississippi, but this institution can neither waive any licensure requirements nor authorize substitutions for mandatory courses. Mississippi State University has submitted and received approval for its programs. Since teacher licenses are issued by the Mississippi Department of Education only, and not by the teacher education institutions, applications for licensure and original test scores must be filed with the Mississippi Department of Education by the applicant. Information concerning teacher licensure can be obtained from the **AEE Graduate Coordinator**.

A student who chooses to complete a thesis must pass a final thesis defense and submit the thesis to complete degree requirements. A student who chooses to complete a creative component must pass the final defense of the creative component and complete an oral comprehensive examination over all course work completed.

Academic Performance—Unsatisfactory performance may be defined as the failure to maintain a B average in graduate courses attempted after admission to the program; a grade of U, D, or F in any course; more than two grades below a B; failure of the comprehensive examination; or failure of the thesis/dissertation defense. Any one of these or a combination of these may constitute the basis for the termination of a student's graduate study in a degree program. To be eligible for the comprehensive, a graduate student must have a 3.00 GPA on all graduate courses taken after being admitted to the degree program. Upon the recommendation of the major professor or the graduate coordinator, a student whose academic work is unsatisfactory at any period during a given semester or term may be forced to withdraw from a graduate program. A student forced to withdraw can appeal to department faculty. If upheld by the faculty, then the student can submit a written appeal to the Director of the School of Human Sciences. If upheld there, the student may appeal the Dean of the College of Agriculture and Life Sciences..

Students may choose from one of *two* concentrations for the Master of Science Degree: *Teaching or Leadership*. The *Teaching Concentration* prepares aspiring agricultural educators for careers in secondary and postsecondary institutions. These students will develop and improve their competency in the teaching and learning process; gain experience in planning, implementing, and evaluating educational programs; and become qualified for certification as an agricultural science teacher. The *Leadership Concentration* prepares future employees and administrators for careers in extension, *government agricultural agencies, and the private industry*. These students will focus on basic foundational principles in agricultural and extension education and enhance their skills in program planning, teaching methods, evaluation methods, and communication technologies.

Students may choose from one of **three** concentrations for the Master of Science Degree: **Community and Extension Education, Teaching and Learning, or Teacher Licensure**. The **Teacher Licensure Concentration** prepares aspiring agricultural educators for careers in secondary and postsecondary institutions. These students will develop and improve their competency in the teaching and learning process; gain experience in planning, implementing, and evaluating educational programs; and become qualified for certification as an agricultural science teacher. **The Community and Extension Education Concentration prepares future employees and administrators for careers in extension and other community and non-formal educational settings**. These students will focus on basic foundational principles in agricultural and extension education and enhance their skills in program planning, teaching methods, evaluation methods, and communication technologies. **The Teaching and Learning Concentration enhances the careers of those employed in agricultural education professions, such as public-school teaching, community college instruction, or training and development positions in industry**. Students will complete coursework to gain valuable knowledge and experience in designing, implementing, and evaluating educational programs.

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses		College Required Courses	
Major Required Courses AELC 8000 – Thesis – 6 hours or AELC 8100 – Creative Component – 6 hours	6 hours	Major Required Courses AELC 8000 – Thesis – 6 hours or AELC 8100 – Creative Component – 6 hours	6 hours
Concentration 1. Leadership Concentration AELC 8203 – Advanced Communications in AEE or AELC 8263 – Public Relations in AEE <i>AELC 8403 – Directing Learning Experience in AEE</i> <i>AELC 8413 – Methods of Planned Change in AEE</i> AELC 8503 – Program Planning and Development in AEE <i>AELC 8801 – Graduate Professional</i>	3 hrs 3 hrs 3 hrs 3 hrs 1 hr	Concentration 1. Community and Extension Education AELC 6103 – Principles and Practices of Extension Education AELC 8203 – Advanced Communications in AEE AELC 8243 – Administration and Supervision in AEE AELC 8503 – Program Planning and Development in AEE AELC 8703 – Evaluation of Programs in	3 hrs 3 hrs 3 hrs 3 hrs 3 hrs

<i>Seminar in AEE</i>		AEE	
AELC 8703 – Evaluation of AEE Programs or AELC 8803 – Applying Research Methods to AEE	3 hrs	AELC 8803 – Applying Research Methods to AEE	3 hrs
9 hours electives	9 hrs	AELC 8853 – Statistics for the Social and Life Sciences in Agriculture	3 hrs
Concentration Hours	25 hrs	6 hours electives	6 hrs
		Concentration Hours	27 hrs
Concentration 2. Teaching		Concentration 2. Teacher Licensure	
<i>AELC 6113 – Methods of Teaching Agriscience</i>	3 hrs	AELC 6403 – Development of Youth Programs	3 hrs
AELC 6403 – Development of Youth Programs	3 hrs	AELC 6613 – Teaching Agricultural Mechanics	3 hrs
<i>AELC 6703 – Experiential Learning Programs in Agriculture</i>	3 hrs	AELC 6723 – Pedagogy of Agriscience Programs	3 hrs
AELC 8403 - Directing Learning Experience in AEE	3 hrs	AELC 6873 – Professional Seminar in Agricultural Education	3 hrs
<i>AELC 8503 – Program Planning and Development in AEE</i>	3 hrs	AELC 8403 - Directing Learning Experience in AEE	3 hrs
AELC 8603 – Teaching Internship in AEE I	3 hrs	AELC 8603 – Teaching Internship in AEE I	3 hrs
AELC 8613 – Teaching Internship in AEE II	3 hrs	AELC 8613 – Teaching Internship in AEE II	3 hrs
<i>AELC 8801 – Graduate Professional Seminar in AEE</i>	1 hr	AELC 8693 – Philosophical Foundations of AEE	3 hrs
EDX 8173 – Special Education in the Regular Classroom	3 hrs	EDX 8173 – Special Education in the Regular Classroom	3 hrs
<i>EPY 6033 – Application of Learning Theories</i> or AELC 8693 – Philosophical Foundations of AEE	3 hrs	Concentration Hours	27 hrs
Concentration Hours	28 hrs		
		Concentration 3. Teaching and Learning	
		AELC 8203 – Advanced Communication in AEE	3 hrs
		AELC 8503 – Program Planning and Development	3 hrs

		AELC 8703 – Evaluation of AEE Programs	3 hrs
		AELC 8803 – Applying Research Methods to AEE	3 hrs
		AELC 8853 – Statistics for the Social and Life Sciences	3 hrs
		6 hours of AELC or education courses	6 hrs
		6 hours of agriculture electives	6 hrs
		Concentration Hours	27 hrs
Total Hours	<i>31 hrs (L)</i> <i>34 hrs (T)</i>	Total Hours	33 hrs

3. **Justification and Student Learning Outcomes**

Changes to the Master of Science degree in Agricultural and Extension Education are based on (1) comments received by former students who have completed the program, (2) comments received from prospective students recruited to our graduate programs, and (3) a comparison of similar graduate degree programs at peer institutions offering Agricultural and Extension Education.

Over 80 percent of students in our master's degree work for Mississippi State University Extension. While our degree is certainly appropriate for those individuals, other stakeholders like those in formal education settings (agricultural education teachers) comment that the coursework reflects more towards extension education rather than school-based agricultural education. Thus, these seek advanced degrees at other universities that focus on formal education practices.

The new Teaching and Learning Concentration will provide a more in-depth study of the teaching and learning process. Individuals who may find this concentration applicable teachers from the school-based agricultural education community and those who currently work or seek employment in training and development positions within the agriculture industry. This concentration includes courses in agricultural education, technical agriculture, and education and/or training and development to help them further their knowledge and skills to be more successful teachers and trainers.

The Community and Extension Education Concentration has been retooled to reflect the needs of those who work not only for Mississippi State University Extension, but in other non-formal settings promoting agriculture. Appropriate coursework emphasizing Extension and non-formal education is now required to make sure individuals have the requisite knowledge to lead Extension and non-formal educational programs.

The Teacher Licensure Concentration has been modified to reflect needed changes in educational practices to be performed by teachers in school-based agricultural education programs. Courses in agricultural mechanics and pedagogy of agriscience programs are now included to better prepare future teachers for their roles in formal education programs.

Adding the requirements to complete a course in research methods and statistics is based on comparing what similar graduate degree programs at peer institutions (LSU, Texas A&M, Oklahoma State, Georgia, Virginia Tech, and North Carolina State) require. The addition of these courses to the degree requirements while help our graduate understand and apply research-based information into practice in formal and non-formal educational settings.

After completion of this programs, students will be able to:

1. Demonstrate pedagogical and andragogical principles to formal and non-formal educational settings.
2. Plan formal and non-formal educational programs based on community and stakeholder needs
3. Apply evaluation and research methodologies to improve formal and non-formal educational programs
4. Demonstrate effective teaching practices in formal and non-formal educational settings

Questions for this Modification

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

The program changes proposed in this modification reflect the needs of our stakeholders to better help them advance in their professional careers. Furthermore, the changes in this modification will make us competitive with peer institutions offering similar degrees in the Southeast.

2. Will this program change result in a duplication in the System?

There will not be a duplication of degree programs within the System.

3. Will this program change advance student diversity within the system?

Modifying and adding a concentration in this proposal will results in attracting a greater diversity of student backgrounds and experiences within the graduate program

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

There will be no change in the placement of graduates.

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

By completing a master's degree, graduates should be able to better advance in their careers, resulting in an increase in the potential salaries of graduates.

4. Support

A letter of support from the School of Human Sciences Curriculum Committee is included with this proposal.

5. Proposed Abbreviation

AEE

6. Effective Date

Fall 2021



MISSISSIPPI STATE
UNIVERSITY.

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

March 17, 2021

Dr. Connor Ferguson
Chair, CALS Curriculum Committee
315 Dorman Hall | Mailstop 9555
Mississippi State, MS 39762

Dr. Ferguson:

The School of Human Sciences Curriculum Committee has reviewed the Agricultural and Extension Education Program (AEE) graduate degree modification proposal, and we support its approval. We believe the proposed degree modification will benefit the students in that department as well as the industry.

Sincerely,

Julie Parker

Julie C. Parker, Chair

JuYoung Lee, Member

OP McCubbins

Andrew McCubbins, Member

Carley Morrison Digitally signed by Carley Morrison

Carley Morrison, Member

Chelsea Panse-Barron

Chelsea Panse-Barron, Member

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: Agriculture and Life Sci.

Department: Dean of CALS

Contact Person: Jessica Graves

Mail Stop: 9760 **E-mail:** Jessica.graves@msstate.edu

Nature of Change: Technical Change and Addition of Distance Education (Campus 5)

Date Initiated: 3/4/2021

Effective Date: 8/1/2021

Current Degree Program Name: Environment and Sustainability Minor

Major: N/A

Concentration: N/A

New Degree Program Name: N/A

Major: N/A

Concentration: N/A

Summary of Proposed Changes:

Currently, the Environment and Sustainability Certificate and Minor have the same program requirements. This proposal modifies the minor by offering students the option of completing either the practicum (ENS 4102) or the lab (ENS 2101), which is offered via Campus 5, so the minor will be accessible to distance students. The minor program is nested in CALS along with the ENS Certificate and ENS classes to administer but is coordinated as an interdisciplinary program with A&S, BCoE, CFR, CVM, CAAD and any other colleges that wish to participate.

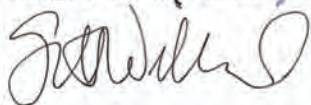
Approved:

Date:

Department Head



Chair, College or School Curriculum Committee



Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council (if applicable)

Chair, Deans Council

3/26/21

3/29/2021

DEGREE MODIFICATION PROPOSAL

Proposal to Modify an Existing Minor Program and offer it through Distance Education (Campus 5)

1. CATALOG DESCRIPTION

See below.

2. CURRICULUM OUTLINE

CURRENT Degree Description		PROPOSED Degree Description	
Degree: Environment and Sustainability Minor Major: Concentration:		Degree: Environment and Sustainability Minor Major: Concentration:	
<p>The Environment and Sustainability Minor is a 17-credit hour, multi-disciplinary program open to all undergraduate majors in good standing. From accountants to zoologists, and all majors in between, this minor is designed to enhance your understanding of the complex environmental challenges humanity faces in the 21st Century. It will give you an opportunity to gain hands-on experience in an environmental area of interest to you. You will study the technical aspects of issues such as climate change and energy, and learn how our values, beliefs, and governmental policies affect how these issues are addressed. You will also learn about sustainable practices and lifestyle choices that can reduce your ecological footprint. Two courses are required of all students: Introduction to Environmental Science (ENS 2103) and Environmental Science Practicum (ENS 4102), leaving 12 hours for the student to select three broad categories: Humanities, Social Sciences, and Science and Engineering.</p> <p>A total of 17 hours is required for the minor. ENS 2103 and ENS 4102 are to be taken by all students, leaving 12 hours from which the student chooses from the list below. The student must take <i>one class</i> from each of the three categories. The final course may be chosen from any category not directly related to his/her major. Relevant substitutions may be arranged with the approval of the Program Coordinator.</p>		<p>The Environment and Sustainability Minor is a minimum 16-credit hour, multi-disciplinary program open to all undergraduate majors in good standing. From accountants to zoologists, and all majors in between, this minor is designed to enhance your understanding of the complex environmental challenges humanity faces in the 21st Century. It will give you an opportunity to gain hands-on experience in an environmental area of interest to you. You will study the technical aspects of issues such as climate change and energy, and learn how our values, beliefs, and governmental policies affect how these issues are addressed. You will also learn about sustainable practices and lifestyle choices that can reduce your ecological footprint. Two courses are required of all students: Introduction to Environmental Science (ENS 2103) and either the Introduction to Environmental Science Lab (ENS 2101) or the Environmental Science Practicum (ENS 4102), leaving 12 hours for the student to select from three broad categories: Humanities, Social Sciences, and Science and Engineering.</p> <p>A minimum of 16 hours is required for the minor. ENS 2103 is to be taken by all students, along with either ENS 2101 OR ENS 4102, leaving 12 hours the student chooses from a list of electives maintained by the ENS Advisory Committee. The student must take three hours from each of three categories: Humanities, Social Sciences, and Science and Engineering. The final course may be chosen from any category not directly related to his/her major. The list of elective options will be periodically reviewed by the ENS Advisory Committee to ensure the list of courses remains current. Courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee, and students should see the ENS Program Coordinator for the current list of electives. Relevant substitutions may be arranged with the approval of the ENS Program Coordinator.</p>	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
ENS 2103	3	ENS 2103 Introduction to Environmental Science	3

ENS 4102	2	ENS 2101 Introduction to Environmental Science OR ENS 4102 Practicum	1
Humanities Elective <ul style="list-style-type: none"> • AN/SO 4173 Environment-Society • ARC 2723 Materials • FP 4313 Environ Principles • HI 3183 World Environmental History • HI 4193 US Environmental History • HS/ID 3673 Environments for Special Needs • LA 4844 Sustainable Communities 	3	Humanities Elective (see ENS Program Coordinator for list of approved electives)	3
Social Sciences Elective <ul style="list-style-type: none"> • AEC 3233 Intro to Environmental Economics and Policy • AEC 4233 Environmental Economics • AEC 4243 Natural Resource Economics • BL 4263 Environmental Law • FO 4413 Natural Resource Policy • PS 4743 Environmental Policy • SO 4173 Environment-Society • SO 4703 Population Problems 	3	Social Sciences Elective (see ENS Program Coordinator for list of approved electives)	3
Science and Engineering Elective <ul style="list-style-type: none"> • ABE 2263 Ag Survey and Drainage • ABE 3303 Transport in Bio Engineering • ABE 4163 Machinery for Agro-Ecosystems • ABE 4263 Soil and Water Management • ABE 4313 Biological Treatment of Nonpoint Source Pollution • BIO 2503 Environmental Quality • BIO 3104 Ecology • BIO 4213 Plant Ecology • BIO 4224 Aquatic Botany • BIO 4324 Soil Microbiology (same as PSS 4314) • CE 3803/3813 Environmental Engineering and Water Resources Engineering I or II • CE 4513 Engineering Hydrology • CE 4873 Water and Wastewater Engineering • CE 4893 Hazardous Waste Management • CHE 4423 Fundamental of Industrial Corrosion • CHE 4613 Air Pollution Control Design • CHE 4673 Industrial Microbiology 	3	Science and Engineering Elective (see ENS Program Coordinator for list of approved electives)	3

<ul style="list-style-type: none"> • CHE 4703 Gas Hydrates • CH 4203 Environmental Chemistry • CVM 4513 Environmental Toxicology • ECE 4613 Power Transmission Systems • IE 4543 Logistics Engineering • FNH 4773 Intro. to Environmental Health • FO 3123 Forest Ecology and Global Environment • GR 2313 Maps and Remote Sensing • GR 3113 Conservation of Natural Resources • GR 4603 Climatology • GR 4613 Applied Climatology • GR 4813 Natural Hazards • GG 3133 Intro Environmental Geology • GG 3603 Intro to Oceanography • GG 3613 Water Resources • GG 4304 Principles Sediment Deposition I • GG 4443 Principles Sediment Deposition II • GG 4523 Coastal Environments • GG 4613 Physical Hydrogeology • LA 3623 Urban Planning • LA 3644 Landscape Architecture Construction II • ME 4353 Alt Energy Sources • ME 4543 Combustion Engines • PSS 3133 Intro to Weed Science • PSS 3303 Soils • PSS 4313 Soil Fertility • PSS 4314 Soil Microbiology (same as BIO 4324/6324) • PSS 3303 Soil Classification • PSS 4333 Soil Conservation • WF 3133 Applied Aquatic and Terrestrial Ecology • WF 4153 Principles of Wildlife Conservation and Management • WF 4213 Wildlife Damage Management • WF 4224 Limnology • WF 4343 Pond and Stream Management • WF 4373 Principles of Conserv Ag • WF 4383 Wetlands Ecol and Management • WF 4394 Waterfowl Ecol and Management • WF 4463 Human Dimensions of 			
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<i>Wildlife Management</i>			
Additional Elective from any category below	3	Additional elective from any category not directly related to student's major	3
Major Core Courses		Major Core Courses	
Concentration Courses		Concentration Courses	
Total Hours	17	Total Hours	16

3. JUSTIFICATION OF MINOR CHANGES TO THE CURRICULUM OUTLINE

The practicum could be more difficult for off-campus students to complete, so the curriculum was modified to give students the option of taking either the practicum (ENS 4102) or the new lab (ENS 2101) that complements ENS 2103 and is offered online via Campus 5. Because the list of elective options has not been updated since 2010, this Program Modification updates the list of electives to reflect new course offerings and delete those courses no longer taught. Course offerings change as faculty retire and new faculty are hired, so a sentence was added to the catalog description to allow courses on the list of electives be removed or added with approval of the ENS Advisory Committee. Language was also added to direct students to the ENS Program Coordinator for the most current list of electives.

4. JUSTIFICATION FOR DISTANCE EDUCATION (CAMPUS 5) OFFERING

There is an increasing interest in topics related to environmental science and sustainability, and there is also an obligation to educate as many people as possible about the need to achieve sustainable solutions to our current environmental, economic, and societal challenges. Offering the Environment and Sustainability Minor online will make it more accessible and allow a broader group of students to earn the Minor. ENS 2103 and ENS 2101 are approved for Campus 5, and there are sufficient online courses in each of the three categories of electives for a distance student to complete the minor.

5. LEARNING OUTCOMES

The student learning outcomes have not changed, other than Item 5.

1. Leverage the knowledge and skills gained with any academic major to improve its relevance to 21st century issues related to energy, climate change, and resource constraints.
2. Better understand 21st century environmental issues within the context of humanities, social science, and science while improving critical thinking skills.
3. Learn about potential careers that will play important roles in addressing the 21st century challenges related to energy, climate change, and resource constraints.
4. Learn about more sustainable lifestyle choices and practices.
5. Learn about global environmental challenges and linkages between human and natural systems worldwide.

6. EFFECTIVE DATE

August 1, 2021

7. CONTACT PERSON

Jessica Graves
662-325-7752
Jessica.graves@msstate.edu

8. SUPPORT

See attached letters of support.

APPENDIX

Below is a list of elective options in each category, with newly added courses shown in **bold**.

Humanities Elective

- AN/SO 4173 Environment-Society
- ARC 2723 Materials
- HI 3183 World Environmental History
- HI 4193 US Environmental History
- HS/ID 3673 Environments for Special Needs
- LA 4843 Sustainable Communities
- **ARC 2713 Passive Building Systems**
- **PHI 3313 Environmental Ethics**
- **REL 3113 Religions and Environment**
- AN 3163 Maritime and Fishing People
- AN 8123 Environmental Anthropology
- AN 8523 Environmental Archaeology
- HI 4393/6393 Rural America
- HI 8803 Special Topics Courses
- HI 8973 US Environmental and Agricultural History
- LA 4463 Community Food Systems

Social Sciences Elective

- AEC 3233 Intro to Environmental Economics and Policy
- AEC 4233 Environmental Economics
- AEC 4243 Natural Resource Economics
- BL 4263 Environmental Law
- FO 4413 Natural Resource Policy
- SO 4173 Environment-Society
- SO 4703 Population Problems
- **AEC 2223 Sustainability Economics**
- **AEC 4413 Public Problems of Agriculture**
- **AEC 2611 Environmental Economics and Sustainability Seminar**
- **AEC 8233 Applied Welfare and Env. Economics**
- **FO 1101 Forest Resource Survey**
- **FO 4343 Forest Administration and Organization**
- **FO/NREC 4353 Natural Resource Law**
- **LA 3623 Urban Planning**
- **LA 8731 Seminar in Community Based Planning**

Science and Engineering Elective

- **ABE 2873 Land Surveying**
- ABE 3303 Transport in Bio Engineering

- ABE 4163 Machinery for Agro-Ecosystems
- ABE 4263 Soil and Water Management
- **ABE 4803 Biosystems Simulation - Env.**
- BIO 2503 Environmental Quality
- BIO 3104 Ecology
- BIO 4213 Plant Ecology
- BIO 4224 Aquatic Botany
- BIO 4324 Soil Microbiology (same as PSS 4314)
- CE 4513 Engineering Hydrology
- CE 4863 Water and Wastewater Engineering
- CE 4893 Hazardous Waste Management
- **CE 2803 Environmental Engineering Issues**
- **CE 3501 Water Resource Engineering Lab**
- **CE 3503 Water Resource Engineering**
- **CE 3801 Environmental Engineering and Water Resources Engineering Lab**
- **CE 3823 Environmental Engineering**
- **CE 4523 Open Channel Hydraulics**
- **CE 4533 Computational Methods in Water Resources Engineering**
- **CE 4843 Environmental Engineering Chemistry**
- **CE 4883 Engineered Environmental Systems**
- CHE 4423 Fundamental of Industrial Corrosion
- CHE 4613 Air Pollution Control Design
- **CHE 4683 Fund of Biofuels Production**
- **CHE 4990 Special Topics in CHE - Fund of Biorefineries**
- CHE 4673 Industrial Microbiology
- CH 4303 Environmental Chemistry
- CVM 4513 Environmental Toxicology
- ECE 4613 Power Transmission Systems
- IE 4543 Logistics Engineering
- FNH 4773 Intro. to Environmental Health
- **FO/NREC 3113 Forest Recreation Management**
- **FO 4123 Forest Ecology**
- **FO/NREC 4313 Spatial Technology for Natural Resource Management**
- **FO/PSS/ECE/GR 4411 Remote Sensing Policy**
- **FO/NREC 4463 Forest Hydrology and Watershed Management**
- **FO 4473 GIS for Natural Resource Management**
- **FO 4483 Forest Soils**
- **FO 8163 Nonmarket Forest Values**
- **FO 8323 Forest Ecophysiology**
- **FO 8333 Silviculture for Multiple Ecosystem Services**
- **FO 8433 Ecological Silviculture**
- **FO 8443 International Forest Resources and Trade**
- GR 2313 Maps and Remote Sensing
- GR 3113 Conservation of Natural Resources
- **GR 4643 Physical Climatology**
- GR 4613 Applied Climatology
- GR 4813 Natural Hazards
- GG 3133 Intro Environmental Geology
- GG 3603 Intro to Oceanography
- GG 3613 Water Resources
- GG 4304 Principles Sediment Deposition I
- GG 4443 Principles Sediment Deposition II
- **GG 4423 Chemical Hydrogeology**

- **GG 8233 Environmental Geosciences**
- GG 4523 Coastal Environments
- GG 4613 Physical Hydrogeology
- **LA 1333 Landscape Systems**
- **LA 4514 Ecological Planting Design**
- **LA 4753 Sustainable Landscape Management**
- **LA 8711 Seminar in Watershed Management**
- ME 4353 Alt Energy Sources
- ME 4543 Combustion Engines
- PSS 3133 Intro to Weed Science
- PSS 3303 Soils
- PSS 4313 Soil Fertility
- PSS 4314 Soil Microbiology (same as BIO 4324/6324)
- PSS 3303 Soil Classification
- PSS 4333 Soil Conservation
- **PSS 4153 Sustainable Agroecology**
- **PSS 4363 Sustainable Nursery Production**
- **PSS/ABE 2543 Precision Agric. I**
- **PSS/ABE 4543 Precision Agric. II**
- **WFA 4183 Principles and Practices of Aquaculture**
- WFA 4373 Principles of Conserv Ag
- WFA 4463 Human Dimensions of Wildlife Management
- **WFA 4623 Conservation Biology**
- **WFA 4633 Problem Solving in Conservation Biology**
- **WFA 4881 Current Topics in Conservation Biology**
- **SBP 1103 Intro to Sustainable Bioproducts**
- **SBP 3123 Biomass to Bioproducts**
- **SBP 4213 Deterioration and Preservation of Biomaterials**
- **SBP 4313 Bioproducts and the Environment**
- **SBP 8013 Advanced Wood Science and Technology**
- **SBP 8133 Environmental Issues in SBP**

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Dr. Scott T. Willard, Interim Dean, College of Agriculture and Life Sciences

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Agriculture and Life Sciences approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,





Memorandum

To: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

From: Robert A. Green

Date: 10 March 2021

Re: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

The College of Bagley College of Engineering supports the following:

Modifications to the ENS Certificate:

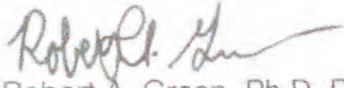
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3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

A handwritten signature in dark ink, appearing to read "Robert A. Green", with a long, sweeping horizontal line extending to the right.

Robert A. Green, Ph.D. PE, F.NSPE
Assistant Dean



TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Ian A. Munn

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: March 10, 2021

The College of Forest Resources approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
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4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Dr. Ian A. Munn

Associate Dean/Sharp Distinguished Professor
College of Forest Resources/Forestry Department



MISSISSIPPI STATE
UNIVERSITY

COLLEGE OF BUSINESS

Office of the Dean

P.O. Box 5288

114 McCool Hall

Mississippi State, MS 39762

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F. 662.325.2410

business.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Dr. Sharon Oswald, Dean, College of Business

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Business approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
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3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Sharon L. Oswald

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Jeffrey Haupt, Associate Dean, College of Architecture, Art, and Design

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Agriculture and Life Sciences approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
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Sincerely,



Jeffrey Haupt

Associate Dean and Professor

College of Architecture, Art, and Design



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COLLEGE OF BUSINESS

Office of the Dean

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114 McCool Hall
Mississippi State, MS 39762

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www.business.msstate.edu

March 15, 2021

TO: Dr. Dana Franz
Chair, UCCC

FROM: Kevin Rogers
Associate Dean, College of Business

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

The College of Business supports the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
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4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

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4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Kevin Rogers
Associate Dean and Professor
College of Business



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF VETERINARY MEDICINE

Office of the Dean

P.O. Box 6100
240 Wise Center Drive
Mississippi State, MS 39762

P. 662.325.1131
www.cvm.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Ron McLaughlin
CVM, Associate Dean for Administration

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability
(ENS) Certificate and the ENS Minor

DATE: March 4, 2021

The College of Veterinary Medicine approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Ron McLaughlin DVM, DVSc, Dip ACVS
Associate Dean for Administration



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF EDUCATION
Department of Educational Leadership

P.O. Box 6037
245 Allen Hall
175 President's Circle
Mississippi State, MS 39762

P. 662.325.0969
F. 662.325.0975
educ.msstate.edu

March 25, 2021

Dr. Scott Willard:

This letter is to note the support the faculty in the Higher Education program in the Department of Educational Leadership for proposed minor in College Teaching and Assessment. We look forward to collaborating with the College of Agriculture and Life Sciences and intend to provide opportunities for interested graduate students in CALS to take courses in our higher education program. I too am excited about the collaboration.

Best,

Eric Moyen, Ph.D.
Associate Professor
Department Head, Educational Leadership
Interim Head, ISWD
Mississippi State University
emoyen@colled.msstate.edu



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175 Presidents Circle
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F. 662.325.8740
cas.msstate.edu

March 18, 2021

Heather R. Jordan
Chair, Arts & Sciences College Curriculum Committee

Dr. Dana Franz
Chair, University Committee on Courses and Curricula

RE: Letter of Support for Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

Dear Dr. Franz:

The College of Arts and Sciences Curriculum Committee considered the ENS minor and certificate modifications. Some suggestions were made during the review that you may wish to consider. For example, the 16-hour requirement seemed lower than in some other programs. Also, it may be beneficial to choose at least one foundation course in each category as a recommended starting point for students, and then give students the option of choosing at least 1 elective from each category as well. Additionally, the Department of Geosciences recommended removing GR 4603 Climatology because it is not taught regularly and replacing it with GG 4503 Geomorphology. Ultimately, these points were considered very minor and would not prevent us from supporting your proposed changes.

Therefore, with only minor concerns, we support the following modifications that you proposed for the ENS certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

and the following modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.



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COLLEGE OF ARTS AND SCIENCES

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cas.msstate.edu

4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Please let me know if you have any questions regarding this letter of support.

Sincerely:

Heather R. Jordan
Associate Professor
Mississippi State University
Department of Biological Sciences
Chair, Arts & Sciences College Curriculum Committee
jordan@biology.msstate.edu
Signed on behalf of the committee

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Dr. Scott T. Willard, Interim Dean, College of Agriculture and Life Sciences

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Agriculture and Life Sciences approves the following:

Modifications to the ENS Certificate:

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Sincerely,





Memorandum

To: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

From: Robert A. Green

Date: 10 March 2021

Re: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

The College of Bagley College of Engineering supports the following:

Modifications to the ENS Certificate:

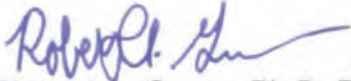
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Sincerely,

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Robert A. Green, Ph.D. PE, F.NSPE
Assistant Dean



MISSISSIPPI STATE
UNIVERSITY.

COLLEGE OF FOREST RESOURCES
FOREST AND WILDLIFE RESEARCH CENTER

Dean and Director's Office
Box 9680
Mississippi State, MS 39762
P. 662.325.2952
cfr.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Ian A. Munn

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: March 10, 2021

The College of Forest Resources approves the following:

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Dr. Ian A. Munn

Associate Dean/Sharp Distinguished Professor
College of Forest Resources/Forestry Department



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF BUSINESS

Office of the Dean

P.O. Box 5288

114 McCool Hall

Mississippi State, MS 39762

P. 662.325.2580

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business.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Dr. Sharon Oswald, Dean, College of Business

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

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Sincerely,

Sharon L. Oswald

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Jeffrey Haupt, Associate Dean, College of Architecture, Art, and Design

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

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Sincerely,

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Jeffrey Haupt

Associate Dean and Professor

College of Architecture, Art, and Design



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF BUSINESS

Office of the Dean

P.O. Box 5288

114 McCool Hall

Mississippi State, MS 39762

P. 662.325.2580

F. 662.325.2410

www.business.msstate.edu

March 15, 2021

TO: Dr. Dana Franz
Chair, UCCC

FROM: Kevin Rogers
Associate Dean, College of Business

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

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3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Kevin Rogers
Associate Dean and Professor
College of Business



TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Ron McLaughlin
CVM, Associate Dean for Administration

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability
(ENS) Certificate and the ENS Minor

DATE: March 4, 2021

The College of Veterinary Medicine approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Ron McLaughlin DVM, DVSc, Dip ACVS
Associate Dean for Administration



March 18, 2021

Heather R. Jordan
Chair, Arts & Sciences College Curriculum Committee

Dr. Dana Franz
Chair, University Committee on Courses and Curricula

RE: Letter of Support for Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

Dear Dr. Franz:

The College of Arts and Sciences Curriculum Committee considered the ENS minor and certificate modifications. Some suggestions were made during the review that you may wish to consider. For example, the 16-hour requirement seemed lower than in some other programs. Also, it may be beneficial to choose at least one foundation course in each category as a recommended starting point for students, and then give students the option of choosing at least 1 elective from each category as well. Additionally, the Department of Geosciences recommended removing GR 4603 Climatology because it is not taught regularly and replacing it with GG 4503 Geomorphology. Ultimately, these points were considered very minor and would not prevent us from supporting your proposed changes.

Therefore, with only minor concerns, we support the following modifications that you proposed for the ENS certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

and the following modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.



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COLLEGE OF ARTS AND SCIENCES

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cas.msstate.edu

4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Please let me know if you have any questions regarding this letter of support.

Sincerely:

Heather R. Jordan
Associate Professor
Mississippi State University
Department of Biological Sciences
Chair, Arts & Sciences College Curriculum Committee
jordan@biology.msstate.edu
Signed on behalf of the committee

The College of Education was contacted on March 10th, March 15th and March 19th via E-mail for Letters of Support/Comment, and no reply received to date.

No classes from the College of Education are currently used in the ENS program requiring a formal letter of support.

College of Education students are welcome to engage the ENS certificate or minor.

The College of Education was contacted on March 10th, March 15th and March 19th via E-mail for Letters of Support/Comment, and no reply received to date.

No classes from the College of Education are currently used in the ENS program requiring a formal letter of support.

College of Education students are welcome to engage the ENS certificate or minor.

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: Agriculture and Life Sci.

Department: Dean of CALS

Contact Person: Jessica Graves

Mail Stop: 9760 E-mail: Jessica.graves@msstate.edu

Nature of Change: Technical Change and Addition of Distance Education (Campus 5)

Date Initiated: 3/4/2021

Effective Date: 8/1/2021

Current Degree Program Name: Environment and Sustainability Certificate

Major: N/A

Concentration: N/A

New Degree Program Name: N/A

Major: N/A

Concentration: N/A

Summary of Proposed Changes:

Currently, the Environment and Sustainability Certificate and Minor have the same program requirements. This proposal modifies the certificate by dropping the practicum (ENS 4102) and adding a lab offered via Campus 5, to make it more feasible for distance and nontraditional students to complete. The Certificate program is nested in CALS along with the ENS Minor and ENS classes to administer but is coordinated as an interdisciplinary program with A&S, BCoE, CFR, CVM, CAAD and any other colleges that wish to participate.

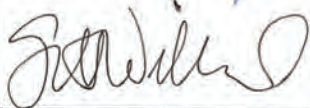
Approved:

Date:

Department Head



Chair, College or School Curriculum Committee



Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council (if applicable)

Chair, Deans Council

3/26/21

3/29/2021

DEGREE MODIFICATION PROPOSAL

Proposal to Modify an Existing Certificate Program and offer it through Distance Education (Campus 5)

1. CATALOG DESCRIPTION

See below.

2. CURRICULUM OUTLINE

CURRENT Certificate Description		PROPOSED Certificate Description	
Degree: Environment and Sustainability Certificate Major: Concentration:		Degree: Environment and Sustainability Certificate Major: Concentration:	
<p>The Environment and Sustainability Certificate is a 17-credit hour, multi-disciplinary program open to all undergraduate majors in good standing. From accountants to zoologists, and all majors in between, this certificate is designed to enhance your understanding of the complex environmental challenges humanity faces in the 21st Century. It will give you an opportunity to gain hands-on experience in an environmental area of interest to you. You will study the technical aspects of issues such as climate change and energy, and learn how our values, beliefs, and governmental policies affect how these issues are addressed. You will also learn about sustainable practices and lifestyle choices that can reduce your ecological footprint. Two courses are required of all students: Introduction to Environmental Science (ENS 2103) and <i>Environmental Science Practicum (ENS 4102)</i>, leaving 12 hours for the student to select three broad categories: Humanities, Social Sciences, and Science and Engineering.</p> <p>A total of 17 hours is required for the certificate. ENS 2103 and ENS 4102 are to be taken by all students, leaving 12 hours <i>from which</i> the student chooses from <i>the list below</i>. The student must take <i>one class</i> from each of <i>the</i> three categories. The final course may be chosen from any category not directly related to his/her major. Relevant substitutions may be arranged with the approval of the Program Coordinator.</p>		<p>The Environment and Sustainability Certificate is a 16-credit hour, multi-disciplinary program open to all undergraduate majors in good standing. From accountants to zoologists, and all majors in between, this certificate is designed to enhance your understanding of the complex environmental challenges humanity faces in the 21st Century. It will give you an opportunity to gain hands-on experience in an environmental area of interest to you. You will study the technical aspects of issues such as climate change and energy, and learn how our values, beliefs, and governmental policies affect how these issues are addressed. You will also learn about sustainable practices and lifestyle choices that can reduce your ecological footprint. Two courses are required of all students: Introduction to Environmental Science (ENS 2103) and Introduction to Environmental Science Lab (ENS 2101), leaving 12 hours for the student to select from three broad categories: Humanities, Social Sciences, and Science and Engineering.</p> <p>A total of 16 hours is required for the certificate. ENS 2103 and ENS 2101 are to be taken by all students, leaving 12 hours the student chooses from a list of electives maintained by the ENS Advisory Committee. The student must take three hours from each of three categories: Humanities, Social Sciences, and Science and Engineering. The final course may be chosen from any category not directly related to his/her major. The list of elective options will be periodically reviewed by the ENS Advisory Committee to ensure the list of courses remains current. Courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee, and students should see the ENS Program Coordinator for the current list of electives. Relevant substitutions may be arranged with the approval of the ENS Program Coordinator.</p>	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
ENS 2103	3	ENS 2103 Introduction to Environmental Science	3
ENS 4102	2	ENS 2101 Introduction to Environmental	1

<p>Humanities Elective</p> <ul style="list-style-type: none"> • AN/SO 4173 <i>Environment-Society</i> • ARC 2723 <i>Materials</i> • FP 4313 <i>Environ Principles</i> • HI 3183 <i>World Environmental History</i> • HI 4193 <i>US Environmental History</i> • HS/ID 3673 <i>Environments for Special Needs</i> • LA 4844 <i>Sustainable Communities</i> 	3	<p>Science Laboratory</p> <p>Humanities Elective (see ENS Program Coordinator for list of approved electives)</p>	3
<p>Social Sciences Elective</p> <ul style="list-style-type: none"> • AEC 3233 <i>Intro to Environmental Economics and Policy</i> • AEC 4233 <i>Environmental Economics</i> • AEC 4243 <i>Natural Resource Economics</i> • BL 4263 <i>Environmental Law</i> • FO 4413 <i>Natural Resource Policy</i> • PS 4743 <i>Environmental Policy</i> • SO 4173 <i>Environment-Society</i> • SO 4703 <i>Population Problems</i> 	3	<p>Social Sciences Elective (see ENS Program Coordinator for list of approved electives)</p>	3
<p>Science and Engineering Elective</p> <ul style="list-style-type: none"> • ABE 2263 <i>Ag Survey and Drainage</i> • ABE 3303 <i>Transport in Bio Engineering</i> • ABE 4163 <i>Machinery for Agro-Ecosystems</i> • ABE 4263 <i>Soil and Water Management</i> • ABE 4313 <i>Biological Treatment of Nonpoint Source Pollution</i> • BIO 2503 <i>Environmental Quality</i> • BIO 3104 <i>Ecology</i> • BIO 4213 <i>Plant Ecology</i> • BIO 4224 <i>Aquatic Botany</i> • BIO 4324 <i>Soil Microbiology (same as PSS 4314)</i> • CE 3803/3813 <i>Environmental Engineering and Water Resources Engineering I or II</i> • CE 4513 <i>Engineering Hydrology</i> • CE 4873 <i>Water and Wastewater Engineering</i> • CE 4893 <i>Hazardous Waste Management</i> • CHE 4423 <i>Fundamental of Industrial Corrosion</i> • CHE 4613 <i>Air Pollution Control Design</i> • CHE 4673 <i>Industrial Microbiology</i> • CHE 4703 <i>Gas Hydrates</i> • CH 4203 <i>Environmental Chemistry</i> 	3	<p>Science and Engineering Elective (see ENS Program Coordinator for list of approved electives)</p>	3

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> • CVM 4513 Environmental Toxicology • ECE 4613 Power Transmission Systems • IE 4543 Logistics Engineering • FNH 4773 Intro. to Environmental Health • FO 3123 Forest Ecology and Global Environment • GR 2313 Maps and Remote Sensing • GR 3113 Conservation of Natural Resources • GR 4603 Climatology • GR 4613 Applied Climatology • GR 4813 Natural Hazards • GG 3133 Intro Environmental Geology • GG 3603 Intro to Oceanography • GG 3613 Water Resources • GG 4304 Principles Sediment Deposition I • GG 4443 Principles Sediment Deposition II • GG 4523 Coastal Environments • GG 4613 Physical Hydrogeology • LA 3623 Urban Planning • LA 3644 Landscape Architecture Construction II • ME 4353 Alt Energy Sources • ME 4543 Combustion Engines • PSS 3133 Intro to Weed Science • PSS 3303 Soils • PSS 4313 Soil Fertility • PSS 4314 Soil Microbiology (same as BIO 4324/6324) • PSS 3303 Soil Classification • PSS 4333 Soil Conservation • WF 3133 Applied Aquatic and Terrestrial Ecology • WF 4153 Principles of Wildlife Conservation and Management • WF 4213 Wildlife Damage Management • WF 4224 Limnology • WF 4343 Pond and Stream Management • WF 4373 Principles of Conserv Ag • WF 4383 Wetlands Ecol and Management • WF 4394 Waterfowl Ecol and Management • WF 4463 Human Dimensions of Wildlife Management | | |
|--|--|--|

		Additional elective from any category not directly related to student's major	3
Total Hours	17	Total Hours	16

3. JUSTIFICATION OF MINOR CHANGES TO THE CURRICULUM OUTLINE

The practicum (ENS 4102) could be more difficult for off-campus students to complete, so it has been replaced with a new lab course that complements ENS 2103 and will also be offered online via Campus 5. Because the list of elective options has not been updated since 2010, this Program Modification updates the list of electives to reflect new course offerings and delete those courses no longer taught. Course offerings change as faculty retire and new faculty are hired, so a sentence was added to the catalog description to allow courses on the list of electives be removed or added with approval of the ENS Advisory Committee. Language was also added to direct students to the ENS Program Coordinator for the most current list of electives.

4. JUSTIFICATION FOR DISTANCE EDUCATION (CAMPUS 5) OFFERING

There is an increasing interest in topics related to environmental science and sustainability, and there is also an obligation to educate as many people as possible about the need to achieve sustainable solutions to our current environmental, economic, and societal challenges. Offering the Environment and Sustainability Certificate online will allow a broader group of students and non-degree seeking individuals to earn the certificate. For those already in the workforce, this would give recipients an added credential. The core courses (ENS 2103 and ENS 2101) are approved for Campus 5, and there are sufficient online courses in each of the three categories of electives for a distance student to complete the certificate.

5. LEARNING OUTCOMES

The student learning outcomes have not changed, other than Item 5.

1. Leverage the knowledge and skills gained with any academic major to improve its relevance to 21st century issues related to energy, climate change, and resource constraints.
2. Better understand 21st century environmental issues within the context of humanities, social science, and science while improving critical thinking skills.
3. Learn about potential careers that will play important roles in addressing the 21st century challenges related to energy, climate change, and resource constraints.
4. Learn about more sustainable lifestyle choices and practices.
5. Learn about global environmental challenges and linkages between human and natural systems worldwide.

6. EFFECTIVE DATE

August 1, 2021

7. CONTACT PERSON

Jessica Graves
662-325-7752
Jessica.graves@msstate.edu

8. SUPPORT

See attached letters of support.

APPENDIX

Below is a list of elective options in each category, with newly added courses shown in **bold**.

Humanities Elective

- AN/SO 4173 Environment-Society
- ARC 2723 Materials
- HI 3183 World Environmental History
- HI 4193 US Environmental History
- HS/ID 3673 Environments for Special Needs
- LA 4843 Sustainable Communities
- **ARC 2713 Passive Building Systems**
- **PHI 3313 Environmental Ethics**
- **REL 3113 Religions and Environment**
- **AN 3163 Maritime and Fishing People**
- **AN 8123 Environmental Anthropology**
- **AN 8523 Environmental Archaeology**
- **HI 4393/6393 Rural America**
- **HI 8803 Special Topics Courses**
- **HI 8973 US Environmental and Agricultural History**
- **LA 4463 Community Food Systems**

Social Sciences Elective

- AEC 3233 Intro to Environmental Economics and Policy
- AEC 4233 Environmental Economics
- AEC 4243 Natural Resource Economics
- BL 4263 Environmental Law
- FO 4413 Natural Resource Policy
- SO 4173 Environment-Society
- SO 4703 Population Problems
- **AEC 2223 Sustainability Economics**
- **AEC 4413 Public Problems of Agriculture**
- **AEC 2611 Environmental Economics and Sustainability Seminar**
- **AEC 8233 Applied Welfare and Env. Economics**
- **FO 1101 Forest Resource Survey**
- **FO 4343 Forest Administration and Organization**
- **FO/NREC 4353 Natural Resource Law**
- **LA 3623 Urban Planning**
- **LA 8731 Seminar in Community Based Planning**

Science and Engineering Elective

- **ABE 2873 Land Surveying**
- ABE 3303 Transport in Bio Engineering
- ABE 4163 Machinery for Agro-Ecosystems
- ABE 4263 Soil and Water Management
- **ABE 4803 Biosystems Simulation - Env.**
- BIO 2503 Environmental Quality
- BIO 3104 Ecology
- BIO 4213 Plant Ecology
- BIO 4224 Aquatic Botany

- BIO 4324 Soil Microbiology (same as PSS 4314)
- CE 4513 Engineering Hydrology
- CE 4863 Water and Wastewater Engineering
- CE 4893 Hazardous Waste Management
- **CE 2803 Environmental Engineering Issues**
- **CE 3501 Water Resource Engineering Lab**
- **CE 3503 Water Resource Engineering**
- **CE 3801 Environmental Engineering and Water Resources Engineering Lab**
- **CE 3823 Environmental Engineering**
- **CE 4523 Open Channel Hydraulics**
- **CE 4533 Computational Methods in Water Resources Engineering**
- **CE 4843 Environmental Engineering Chemistry**
- **CE 4883 Engineered Environmental Systems**
- CHE 4423 Fundamental of Industrial Corrosion
- CHE 4613 Air Pollution Control Design
- **CHE 4683 Fund of Biofuels Production**
- **CHE 4990 Special Topics in CHE - Fund of Biorefineries**
- CHE 4673 Industrial Microbiology
- CH 4303 Environmental Chemistry
- CVM 4513 Environmental Toxicology
- ECE 4613 Power Transmission Systems
- IE 4543 Logistics Engineering
- FNH 4773 Intro. to Environmental Health
- **FO/NREC 3113 Forest Recreation Management**
- **FO 4123 Forest Ecology**
- **FO/NREC 4313 Spatial Technology for Natural Resource Management**
- **FO/PSS/ECE/GR 4411 Remote Sensing Policy**
- **FO/NREC 4463 Forest Hydrology and Watershed Management**
- **FO 4473 GIS for Natural Resource Management**
- **FO 4483 Forest Soils**
- **FO 8163 Nonmarket Forest Values**
- **FO 8323 Forest Ecophysiology**
- **FO 8333 Silviculture for Multiple Ecosystem Services**
- **FO 8433 Ecological Silviculture**
- **FO 8443 International Forest Resources and Trade**
- GR 2313 Maps and Remote Sensing
- GR 3113 Conservation of Natural Resources
- **GR 4643 Physical Climatology**
- GR 4613 Applied Climatology
- GR 4813 Natural Hazards
- GG 3133 Intro Environmental Geology
- GG 3603 Intro to Oceanography
- GG 3613 Water Resources
- GG 4304 Principles Sediment Deposition I
- GG 4443 Principles Sediment Deposition II
- **GG 4423 Chemical Hydrogeology**
- **GG 8233 Environmental Geosciences**
- GG 4523 Coastal Environments
- GG 4613 Physical Hydrogeology
- **LA 1333 Landscape Systems**
- **LA 4514 Ecological Planting Design**
- **LA 4753 Sustainable Landscape Management**
- **LA 8711 Seminar in Watershed Management**

- ME 4353 Alt Energy Sources
- ME 4543 Combustion Engines
- PSS 3133 Intro to Weed Science
- PSS 3303 Soils
- PSS 4313 Soil Fertility
- PSS 4314 Soil Microbiology (same as BIO 4324/6324)
- PSS 3303 Soil Classification
- PSS 4333 Soil Conservation
- **PSS 4153 Sustainable Agroecology**
- **PSS 4363 Sustainable Nursery Production**
- **PSS/ABE 2543 Precision Agric. I**
- **PSS/ABE 4543 Precision Agric. II**
- **WFA 4183 Principles and Practices of Aquaculture**
- WFA 4373 Principles of Conserv Ag
- WFA 4463 Human Dimensions of Wildlife Management
- **WFA 4623 Conservation Biology**
- **WFA 4633 Problem Solving in Conservation Biology**
- **WFA 4881 Current Topics in Conservation Biology**
- **SBP 1103 Intro to Sustainable Bioproducts**
- **SBP 3123 Biomass to Bioproducts**
- **SBP 4213 Deterioration and Preservation of Biomaterials**
- **SBP 4313 Bioproducts and the Environment**
- **SBP 8013 Advanced Wood Science and Technology**
- **SBP 8133 Environmental Issues in SBP**

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Dr. Scott T. Willard, Interim Dean, College of Agriculture and Life Sciences

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Agriculture and Life Sciences approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,



Memorandum

To: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

From: Robert A. Green

Date: 10 March 2021

Re: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

The College of Bagley College of Engineering supports the following:

Modifications to the ENS Certificate:

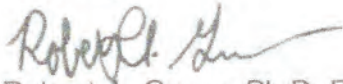
1. Add Distance Education (Campus 5) to the ENS Certificate.
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Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.

3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

A handwritten signature in dark ink, appearing to read "Robert A. Green", with a long horizontal flourish extending to the right.

Robert A. Green, Ph.D. PE, F.NSPE
Assistant Dean



MISSISSIPPI STATE
UNIVERSITY.

COLLEGE OF FOREST RESOURCES
FOREST AND WILDLIFE RESEARCH CENTER
Dean and Director's Office
Box 9680
Mississippi State, MS 39762
P. 662.325.2952
cfr.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Ian A. Munn

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: March 10, 2021

The College of Forest Resources approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

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3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Dr. Ian A. Munn
Associate Dean/Sharp Distinguished Professor
College of Forest Resources/Forestry Department



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF BUSINESS

Office of the Dean

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Mississippi State, MS 39762

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F. 662.325.2410

business.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Dr. Sharon Oswald, Dean, College of Business

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Business approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
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Modifications to the ENS Minor:

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3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Sharon L. Oswald

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Jeffrey Haupt, Associate Dean, College of Architecture, Art, and Design

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Agriculture and Life Sciences approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
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4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

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2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,



Jeffrey Haupt

Associate Dean and Professor

College of Architecture, Art, and Design



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF BUSINESS

Office of the Dean

P.O. Box 5288

114 McCool Hall

Mississippi State, MS 39762

P. 662.325.2580

F. 662.325.2410

www.business.msstate.edu

March 15, 2021

TO: Dr. Dana Franz
Chair, UCCC

FROM: Kevin Rogers
Associate Dean, College of Business

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

The College of Business supports the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Kevin Rogers
Associate Dean and Professor
College of Business



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF VETERINARY MEDICINE

Office of the Dean

P.O. Box 6100
240 Wise Center Drive
Mississippi State, MS 39762

P. 662.325.1131
www.cvm.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Ron McLaughlin
CVM, Associate Dean for Administration

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability
(ENS) Certificate and the ENS Minor

DATE: March 4, 2021

The College of Veterinary Medicine approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Ron McLaughlin DVM, DVSc, Dip ACVS
Associate Dean for Administration



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF EDUCATION
Department of Educational Leadership

P.O. Box 6037
245 Allen Hall
175 President's Circle
Mississippi State, MS 39762

P. 662.325.0969
F. 662.325.0975
educ.msstate.edu

March 25, 2021

Dr. Scott Willard:

This letter is to note the support the faculty in the Higher Education program in the Department of Educational Leadership for proposed minor in College Teaching and Assessment. We look forward to collaborating with the College of Agriculture and Life Sciences and intend to provide opportunities for interested graduate students in CALS to take courses in our higher education program. I too am excited about the collaboration.

Best,

Eric Moyen, Ph.D.
Associate Professor
Department Head, Educational Leadership
Interim Head, ISWD
Mississippi State University
emoyen@colled.msstate.edu



March 18, 2021

Heather R. Jordan
Chair, Arts & Sciences College Curriculum Committee

Dr. Dana Franz
Chair, University Committee on Courses and Curricula

RE: Letter of Support for Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

Dear Dr. Franz:

The College of Arts and Sciences Curriculum Committee considered the ENS minor and certificate modifications. Some suggestions were made during the review that you may wish to consider. For example, the 16-hour requirement seemed lower than in some other programs. Also, it may be beneficial to choose at least one foundation course in each category as a recommended starting point for students, and then give students the option of choosing at least 1 elective from each category as well. Additionally, the Department of Geosciences recommended removing GR 4603 Climatology because it is not taught regularly and replacing it with GG 4503 Geomorphology. Ultimately, these points were considered very minor and would not prevent us from supporting your proposed changes.

Therefore, with only minor concerns, we support the following modifications that you proposed for the ENS certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

and the following modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.



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COLLEGE OF ARTS AND SCIENCES

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P. 662.325.1665
F. 662.325.8740
cas.msstate.edu

4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Please let me know if you have any questions regarding this letter of support.

Sincerely:

Heather R. Jordan
Associate Professor
Mississippi State University
Department of Biological Sciences
Chair, Arts & Sciences College Curriculum Committee
jordan@biology.msstate.edu
Signed on behalf of the committee

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Dr. Scott T. Willard, Interim Dean, College of Agriculture and Life Sciences

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Agriculture and Life Sciences approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,





Memorandum

To: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

From: Robert A. Green

Date: 10 March 2021

Re: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

The College of Bagley College of Engineering supports the following:

Modifications to the ENS Certificate:

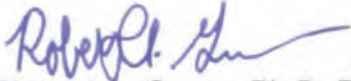
1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.

3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

A handwritten signature in blue ink, appearing to read "Robert A. Green", with a stylized flourish extending to the right.

Robert A. Green, Ph.D. PE, F.NSPE
Assistant Dean



MISSISSIPPI STATE
UNIVERSITY.

COLLEGE OF FOREST RESOURCES
FOREST AND WILDLIFE RESEARCH CENTER

Dean and Director's Office
Box 9680
Mississippi State, MS 39762
P. 662.325.2952
cfr.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Ian A. Munn

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: March 10, 2021

The College of Forest Resources approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Dr. Ian A. Munn

Associate Dean/Sharp Distinguished Professor
College of Forest Resources/Forestry Department



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COLLEGE OF BUSINESS

Office of the Dean

P.O. Box 5288

114 McCool Hall

Mississippi State, MS 39762

P. 662.325.2580

F. 662.325.2410

business.msstate.edu

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Dr. Sharon Oswald, Dean, College of Business

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Business approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Sharon L. Oswald

TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Jeffrey Haupt, Associate Dean, College of Architecture, Art, and Design

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

DATE: 3/15/2021

The College of Agriculture and Life Sciences approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J Haupt', with a horizontal line extending to the right.

Jeffrey Haupt

Associate Dean and Professor

College of Architecture, Art, and Design



MISSISSIPPI STATE
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COLLEGE OF BUSINESS

Office of the Dean

P.O. Box 5288

114 McCool Hall

Mississippi State, MS 39762

P. 662.325.2580

F. 662.325.2410

www.business.msstate.edu

March 15, 2021

TO: Dr. Dana Franz
Chair, UCCC

FROM: Kevin Rogers
Associate Dean, College of Business

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

The College of Business supports the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
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1. Add Distance Education (Campus 5) to the ENS Minor.
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3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Kevin Rogers
Associate Dean and Professor
College of Business



TO: Dr. Dana Franz
Chair, University Committee on Courses and Curricula

FROM: Ron McLaughlin
CVM, Associate Dean for Administration

RE: Approval of Modifications to the interdisciplinary Environment and Sustainability
(ENS) Certificate and the ENS Minor

DATE: March 4, 2021

The College of Veterinary Medicine approves the following:

Modifications to the ENS Certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.
4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Sincerely,

Ron McLaughlin DVM, DVSc, Dip ACVS
Associate Dean for Administration



March 18, 2021

Heather R. Jordan
Chair, Arts & Sciences College Curriculum Committee

Dr. Dana Franz
Chair, University Committee on Courses and Curricula

RE: Letter of Support for Approval of Modifications to the interdisciplinary Environment and Sustainability (ENS) Certificate and the ENS Minor

Dear Dr. Franz:

The College of Arts and Sciences Curriculum Committee considered the ENS minor and certificate modifications. Some suggestions were made during the review that you may wish to consider. For example, the 16-hour requirement seemed lower than in some other programs. Also, it may be beneficial to choose at least one foundation course in each category as a recommended starting point for students, and then give students the option of choosing at least 1 elective from each category as well. Additionally, the Department of Geosciences recommended removing GR 4603 Climatology because it is not taught regularly and replacing it with GG 4503 Geomorphology. Ultimately, these points were considered very minor and would not prevent us from supporting your proposed changes.

Therefore, with only minor concerns, we support the following modifications that you proposed for the ENS certificate:

1. Add Distance Education (Campus 5) to the ENS Certificate.
2. Drop the Practicum (ENS 4102) as required and add the lab (ENS 2101), which changes the total required hours from 17 to 16.
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4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

and the following modifications to the ENS Minor:

1. Add Distance Education (Campus 5) to the ENS Minor.
2. Remove the requirement to take the Practicum (ENS 4102) and provide the option of taking either the lab (ENS 2101) or the Practicum (ENS 4102), which changes the total required hours from 17 to 16 if the student chooses the lab. Giving students this option will allow distance students to complete the minor if they choose this option.
3. Update the list of approved electives, deleting those no longer offered and adding new course offerings.



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF ARTS AND SCIENCES

P.O. Box AS
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Mississippi State, MS 39762
P. 662.325.1665
F. 662.325.8740
cas.msstate.edu

4. Add language to the Curriculum Outline stating that courses may be removed or added to the list of electives pending approval of the ENS Advisory Committee.

Please let me know if you have any questions regarding this letter of support.

Sincerely:

Heather R. Jordan
Associate Professor
Mississippi State University
Department of Biological Sciences
Chair, Arts & Sciences College Curriculum Committee
jordan@biology.msstate.edu
Signed on behalf of the committee

The College of Education was contacted on March 10th, March 15th and March 19th via E-mail for Letters of Support/Comment, and no reply received to date.

No classes from the College of Education are currently used in the ENS program requiring a formal letter of support.

College of Education students are welcome to engage the ENS certificate or minor.

The College of Education was contacted on March 10th, March 15th and March 19th via E-mail for Letters of Support/Comment, and no reply received to date.

No classes from the College of Education are currently used in the ENS program requiring a formal letter of support.

College of Education students are welcome to engage the ENS certificate or minor.

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: Agriculture and Life Sciences

Department: Animal and Dairy Sciences

Contact Person: Jamie Larson **Mail Stop:** 9815 **E-mail:** JLarson@ads.msstate.edu

Nature of Change: Degree modification to 1) remove text referring to the MS-nonthesis degree (because we now have the Master of Agriculture – nonthesis degree operational), 2) remove GRE entrance requirement, 3) remove specific course requirements that student without a BS degree in animal and dairy sciences must obtain, 4) remove the requirement of a written proposal.

Date Initiated: 2/11/2021

Effective Date:

Fall 2021

Current Degree Program Name: Master of Agriculture

Major: Agriculture

Concentration: Animal and Dairy Sciences

New Degree Program Name: No change

Major: No change

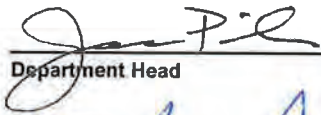
Concentration: No change

Summary of Proposed Changes:

Degree modification to 1) remove text referring to the MS-nonthesis degree (because we now have the Master of Agriculture – nonthesis degree operational), 2) remove GRE entrance requirement, 3) remove specific course requirements that student without a BS degree in animal and dairy sciences must obtain, 4) remove the requirement of a written proposal.

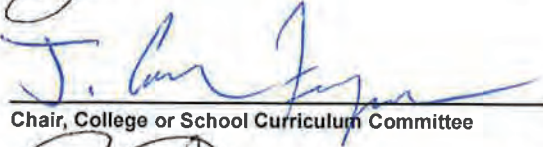
Approved:

Date:



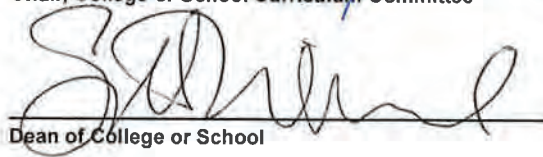
Department Head

Febraury 10, 2021



Chair, College or School Curriculum Committee

4-1-21



Dean of College or School

4/4/21

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

1. CATALOG DESCRIPTION

GRADUATE DEGREE MODIFICATION OUTLINE FORM

The Animal and Dairy Sciences program offers graduate study toward the Master of Science (thesis *and non-thesis* options) in Agriculture with a concentration in Animal Science, **Master of Agriculture (non-thesis option)** in *Agriculture with a concentration in Animal and Dairy Sciences*, and a Doctor of Philosophy in Agricultural Sciences with a concentration in Animal and Dairy Sciences. *Master of Science and Doctor of Philosophy programs in Animal Nutrition, Food Science, Animal Physiology, and Genetics are also available through the interdepartmental programs (refer to the specific interdepartmental programs elsewhere in the Graduate Catalog for program-specific guidelines in addition to those listed here).*

2. CURRICULUM OUTLINE

CURRENT Degree Description	PROPOSED Degree Description
Degree: Master of Agriculture Major: Agriculture Concentrations: Animal and Dairy Sciences	Degree: Master of Agriculture Major: Agriculture Concentrations: Animal and Dairy Sciences
Admission Criteria	Admission Criteria
<p>A minimum of 3.00 GPA <i>and the GRE</i> is required for all programs (Master of Science <i>thesis and non-thesis option</i> and Doctor of Philosophy). Individual faculty serving as major professors may have additional requirements for students they advise. Therefore, it is advisable that a prospective student contact faculty with whom he/she is interested in working to determine if they have additional admission requirements. An international applicant is required to have a TOEFL (Test of English as a Foreign Language) score of 575 PBT (84 iBT) or an IELTS (International English Language Testing Systems) score of 7.0 or higher to be considered for admission.</p>	<p>A minimum of 3.00 GPA is required for all programs (Master of Science, Master of Agriculture, and Doctor of Philosophy). Individual faculty serving as major professors may have additional requirements for students they advise. Therefore, it is advisable that a prospective student contact faculty with whom he/she is interested in working to determine if they have additional admission requirements. An international applicant is required to have a TOEFL (Test of English as a Foreign Language) score of 575 PBT (84 iBT) or an IELTS (International English Language Testing Systems) score of 7.0 or higher to be considered for admission.</p>
Provisional Admission	Provisional Admission
<p>Provisional admission requirements may be indicated by the student's major professor or imposed by the Office of the Graduate School in accordance with University admission policies. See <u>Provisional Admission Requirements</u> in this catalog.</p>	<p>Provisional admission requirements may be indicated by the student's major professor or imposed by the Office of the Graduate School in accordance with University admission policies. See <u>Provisional Admission Requirements</u> in this catalog.</p>
Academic Performance	Academic Performance
<p>The Department of Animal and Dairy Sciences adheres to the academic performance standards of the Office of the Graduate School and CALS. Students are referred to these criteria for <u>provisional admission</u>, <u>contingent admission</u>, <u>academic performance</u>, and <u>dismissal</u> policies.</p>	<p>The Department of Animal and Dairy Sciences adheres to the academic performance standards of the Office of the Graduate School and CALS. Students are referred to these criteria for <u>provisional admission</u>, <u>contingent admission</u>, <u>academic performance</u>, and <u>dismissal</u> policies.</p>
<p>To graduate, the student must complete all University and degree program requirements listed in the Catalog of the Graduate School under which he/she began the</p>	<p>To graduate, the student must complete all University and degree program requirements listed in the Catalog of the Graduate School under which he/she began the program. A graduate student cannot graduate under any of the</p>

program. A graduate student cannot graduate under any of the following circumstances.

1. A GPA lower than 3.00 for all courses attempted for graduate credit after admission to the degree program or
2. A grade of D or lower on the program of study or
3. More than two courses (not exceeding 8 credit hours) with a grade of C or lower earned for all courses since admission into the program, including those outside the program of study* or
4. A U grade in thesis or dissertation research credit in the final semester or
5. A grade of I (Incomplete) on his/her transcript

*NOTE: The original grade for a course that is retaken will not be included in the eight hours. However, the original grade is included as part of the calculation of the GPA. See the Course Retake Policy section for additional details.

No graduate courses with pass/fail credit are accepted as part of a graduate program. Grades of pass/fail are not awarded at MSU and cannot be transferred to MSU.

A GPA of 3.00 on the minor coursework is required for students completing a minor.

Stipends

Students who have not met the requirements for full admission to their degree program are not eligible to receive an assistantship. Students with a GPA less than 3.00 or who have been admitted on a provisional/probationary status are not eligible to receive an assistantship. Graduate assistantships provide students a salary for 20 hours of work per week which is NOT part of their own research. These 20 hours per week may be spent on research, teaching, and/or service. The student is also expected to complete work toward his or her own research IN ADDITION TO their assistantship duties.

Master of Science in Agriculture with Animal Sciences Concentration - Thesis

The program of study is developed by the student and his/her major professor with approval by the student's graduate committee in accordance with Graduate

following circumstances.

1. A GPA lower than 3.00 for all courses attempted for graduate credit after admission to the degree program or
2. A grade of D or lower on the program of study or
3. More than two courses (not exceeding 8 credit hours) with a grade of C or lower earned for all courses since admission into the program, including those outside the program of study* or
4. A U grade in thesis or dissertation research credit in the final semester or
5. A grade of I (Incomplete) on his/her transcript

*NOTE: The original grade for a course that is retaken will not be included in the eight hours. However, the original grade is included as part of the calculation of the GPA. See the Course Retake Policy section for additional details.

No graduate courses with pass/fail credit are accepted as part of a graduate program. Grades of pass/fail are not awarded at MSU and cannot be transferred to MSU.

A GPA of 3.00 on the minor coursework is required for students completing a minor.

Stipends

Students who have not met the requirements for full admission to their degree program are not eligible to receive an assistantship. Students with a GPA less than 3.00 or who have been admitted on a provisional/probationary status are not eligible to receive an assistantship. Graduate assistantships provide students a salary for 20 hours of work per week which is NOT part of their own research. These 20 hours per week may be spent on research, teaching, and/or service. The student is also expected to complete work toward his or her own research IN ADDITION TO their assistantship duties.

Master of Agriculture in Agriculture with Animal and Dairy Sciences Concentration – Non-thesis

The program of study is developed by the student and his/her major professor with approval by the student's graduate committee in accordance with Graduate School policy and must include core courses as specified below. In addition to the Graduate School requirements for a master's graduate committee, the department requires that at least two committee members must be from the

School policy and must include core courses as specified below. In addition to the Graduate School requirements for a master's graduate committee, the department requires that at least two committee members must be from the Department of Animal and Dairy Sciences.

For the master's degree in Agriculture with a concentration in Animal Science, the student must have completed or will be required to complete in addition to the graduate coursework, 9 credit hours (4000 level or above) of animal/dairy sciences courses. These 9 credit hours must include at least one course in breeding, nutrition, or reproduction and at least one course in a species-specific production system. All students are expected to demonstrate a working knowledge of the Animal and Dairy Sciences field.

Opportunities to meet this expectation include: audit additional animal sciences courses (below 4000 level), serve as a teaching assistant for Introduction to Animal Science, or attend departmental journal clubs.

Students not holding a degree in Animal or Dairy Sciences (or related field) will be required to do at least one of the above, as directed by the major advisor.

M.S. thesis candidates are required by the Department of Animal and Dairy Sciences to submit a written proposal of the intended research area during the first year of the graduate program, in addition to the submission of an annual progress report of research, teaching, extension and service activities, and a final written and oral presentation of the thesis work.

Master of Science in Agriculture with Animal Sciences Concentration – Non-thesis

The program of study is developed by the student and his/her major professor with approval by the student's graduate committee in accordance with Graduate School policy and must include core courses as specified below. In addition to the Graduate School requirements for a master's graduate committee, the department requires that at least two committee members must be from the Department of Animal and Dairy Sciences.

For the master's degree in Agriculture with a concentration in Animal Science, the student must have completed or will be required to complete in addition to the graduate coursework, 9 credit hours (4000 level or above) of animal/dairy sciences courses. These 9 credit hours must include at least one course in breeding, nutrition, or reproduction and at least one course in a species-specific production system. All

Department of Animal and Dairy Sciences.

For the master's degree in Agriculture with a concentration in **Animal and Dairy Sciences**, the student must have completed or will be required to complete in addition to the graduate coursework, 9 credit hours of animal/dairy sciences courses. All students are expected to demonstrate a working knowledge of the Animal and Dairy Sciences field. Opportunities to meet this expectation include: audit additional animal sciences courses (below 4000 level), serve as a teaching assistant for Introduction to Animal Science, or attend departmental journal clubs. Students not holding a degree in Animal or Dairy Sciences (or related field) will be required to do at least one of the above, as directed by the major advisor. Any undergraduate courses would not be included in the program of study.

The non-thesis student is required to complete 30 hours of coursework as approved by his/her graduate committee. Some Directed Individual Study courses, numbered at the 7000-level, may be approved to meet the 8000-level course requirement. Not more than 6 hours of graduate credit may be earned in Directed Individual Study courses. Students will also have to complete a scholarly activity, participate in research projects, and develop a scholarly document focused on subject area.

<p>students are expected to demonstrate a working knowledge of the Animal and Dairy Sciences field.</p> <p>Opportunities to meet this expectation include: audit additional animal sciences courses (below 4000 level), serve as a teaching assistant for Introduction to Animal Science, or attend departmental journal clubs. Students not holding a degree in Animal or Dairy Sciences (or related field) will be required to do at least one of the above, as directed by the major advisor. Any undergraduate courses would not be included in the program of study.</p> <p>The non-thesis student is required to complete 30 hours of coursework as approved by his/her graduate committee. Some Directed Individual Study courses, numbered at the 7000-level, may be approved to meet the 8000-level course requirement. Not more than 6 hours of graduate credit may be earned in Directed Individual Study courses. Students will also have to complete a scholarly activity, participate in research projects, and develop a scholarly document focused on subject area.</p>			
"[Click here and type old concentration description]"		"[Click here and type new concentration description]"	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses No college requirements		College Required Courses No college requirements	
Major Required Courses No major requirements		Major Required Courses No major requirements	
Concentration 1. Courses <u>Thesis option</u> <i>Graduate Seminar (ADS 8111, ADS 8121, or ADS 8131 are suggested courses)</i>	2	Concentration 1. Courses <u>MAG Non-thesis</u> Graduate Seminar (ADS 8111 is suggested course)	2
<i>Statistics (ST 8114 and ST 8214 are suggested courses)</i>	8	Statistics (ST 8114 and ST 8214 or ADS 8004 are suggested courses)	8
<i>Biochemistry (ADS 8333, BCH 6013, BCH 6603, or BCH 6613 are suggested courses)</i>	3	Biochemistry (ADS 8333, BCH 6013, BCH 6603, or BCH 6613 are suggested courses)	3
<i>ADS 8000 Thesis Research/Thesis in Animal and Dairy Sciences</i>	6	Directed Individual Study	3
<i>Graduate level coursework with at least 12 hours at the 8000-level.</i>	11	Graduate level coursework with at least 12 hours at the 8000-level	14
<u>Thesis total hours</u>		<u>Non-thesis total hours</u>	<u>30</u>
<u>Non-thesis option</u>	<u>30</u>		

Graduate Seminar (ADS 8111, <i>ADS 8121</i> , or <i>ADS 8131</i> are suggested courses)	2		
Statistics (ST 8114 and ST 8214 are suggested courses)	8		
Biochemistry (ADS 8333, BCH 6013, BCH 6603, or BCH 6613 are suggested courses)	3		
Directed Individual Study	3		
Graduate level coursework with at least 12 hours at the 8000-level	14		
<u>Non-thesis total hours</u>	<u>30</u>		
Concentration 2. Courses		Concentration 2. Courses	
Total Hours	30/30	Total Hours	30

3. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

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

No change in needs is expected. We anticipate eliminating the GRE requirement will make application more accessible. Removing the specific requirements of "pre-requisite" courses for students coming in from outside an animal and dairy sciences background will make each program a better fit for a student's particular situation.

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

No

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

Reducing the burden of the GRE as an entrance requirement may advance student diversity, indirectly, in the department.

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.

No

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.

No

4. SUPPORT

See attached.

5. PROPOSED 4-LETTER ABBREVIATION

ADSC

6. EFFECTIVE DATE

Fall 2021



MISSISSIPPI STATE
UNIVERSITY.

DEPARTMENT OF
ANIMAL AND DAIRY SCIENCES
P.O. Box 9815
Mississippi State, MS 39762
P. 662.325.2802
F. 662.325.8873

February 8, 2021

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

Dear Dr. Franz,

The Graduate Faculty of the Department of Animal and Dairy Sciences supports the changes listed below.

Modification of our MS, MAG, and PhD programs to alter the entrance requirements (removal of GRE requirement), remove some descriptive text about pre/co-requisites, and remove a requirement of a written proposal. Further, there are a couple minor adjustments to course options listed.

We are also proposing a new course (ADS 8441), to meet a need to improve critical reading and understanding of current literature in the animal sciences among our graduate students.

Signatures of support by graduate faculty are below.

Sincerely,





Jamie Larson
Graduate Coordinator



MISSISSIPPI STATE
UNIVERSITY.

DEPARTMENT OF
ANIMAL AND DAIRY SCIENCES

P.O. Box 9815
Mississippi State, MS 39762
P. 662.325.2802
F. 662.325.8873

Jamie Larson, Graduate Chair	
Brandi Karisch	
Brian Rude	<u>Brian J. Rude</u> Brian J. Rude (Feb 9, 2021 05:44 CST)
Molly Nicodemus	<u>Molly Nicodemus</u> Nicodemus Molly (Feb 8, 2021 16:42 CST)
Jean Feugang	<u>JMF</u> JMF (Feb 8, 2021 18:10 CST)
Dean Jousan	
Amanda Stone	<u>Amanda Stone</u> Amanda Stone (Feb 11, 2021 09:21 CST)
Thu Dinh	
Clay Cavinder	<u>CL</u> Clay cavinder (Feb 8, 2021 20:02 CST)
Leyla Rios	
Erdogan Memili	
Shengfa Liao	<u>shengfa Liao</u> shengfa Liao (Feb 9, 2021 10:01 CST)
Derris Burnett	<u>Derris D. Burnett</u> Derris D. Burnett (Feb 11, 2021 11:25 CST)

BUILDING THE FUTURE OF ANIMAL AGRICULTURE



MISSISSIPPI STATE
UNIVERSITY.

DEPARTMENT OF
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Mississippi State, MS 39762

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Trent Smith	<u><i>Trent Smith</i></u> Trent Smith (Feb 10, 2021 08:32 CST)
Caleb Lemley	<u><i>Caleb Lemley</i></u> Caleb Lemley (Feb 8, 2021 17:45 CST)
Jane Parish	<u><i>Jane Parish</i></u> Jane Parish (Feb 8, 2021 16:36 CST)
Daniel Rivera	<u><i>Daniel Rivera</i></u>
Rhonda Vann	<u><i>Rhonda Vann</i></u> Rhonda Vann (Feb 9, 2021 11:44 CST)
Kelsey Harvey	<u><i>Kelsey Harvey</i></u> Kelsey Harvey (Feb 8, 2021 17:08 CST)

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: Agriculture and Life Sciences

Department: Animal and Dairy Sciences

Contact Person: Jamie Larson **Mail Stop:** 9815 **E-mail:** JLarson@ads.msstate.edu

Nature of Change: Degree modification to 1) remove text referring to the MS-nonthesis degree (because we now have the Master of Agriculture – nonthesis degree operational), 2) remove GRE entrance requirement, 3) remove specific course requirements that student without a BS degree in animal and dairy sciences must obtain, 4) remove the requirement of a written proposal.

Date Initiated: 2/11/2021

Effective Date:

Fall 2021

Current Degree Program Name: Master of Science

Major: Agriculture

Concentration: Animal Science

New Degree Program Name: No change

Major: No change

Concentration: No change

Summary of Proposed Changes:

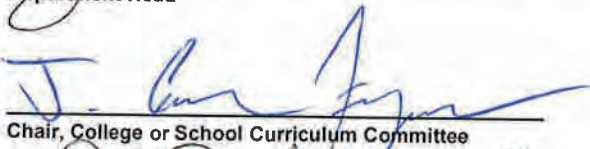
Degree modification to 1) remove text referring to the MS-nonthesis degree (because we now have the Master of Agriculture – nonthesis degree operational), 2) remove GRE entrance requirement, 3) remove specific course requirements that student without a BS degree in animal and dairy sciences must obtain, 4) remove the requirement of a written proposal.

Approved:

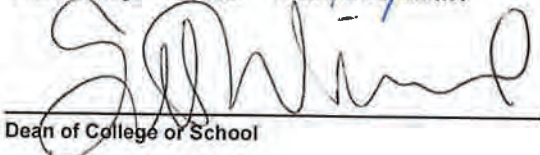
Date:


Department Head

February 10, 2021


Chair, College or School Curriculum Committee

4-1-21


Dean of College or School

4-4-21

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

1. CATALOG DESCRIPTION

GRADUATE DEGREE MODIFICATION OUTLINE FORM

The Animal and Dairy Sciences program offers graduate study toward the Master of Science (thesis *and non-thesis* options) in Agriculture with a concentration in Animal Science, **Master of Agriculture (non-thesis option)** and a Doctor of Philosophy in Agricultural Sciences with a concentration in Animal and Dairy Sciences. *Master of Science and Doctor of Philosophy programs in Animal Nutrition, Food Science, Animal Physiology, and Genetics are also available through the interdepartmental programs (refer to the specific interdepartmental programs elsewhere in the Graduate Catalog for program-specific guidelines in addition to those listed here).*

2. CURRICULUM OUTLINE

CURRENT Degree Description	PROPOSED Degree Description
Degree: Master of Science Major: Agriculture Concentrations: Animal Science	Degree: Master of Science Major: Agriculture Concentrations: Animal Science
Admission Criteria	Admission Criteria
A minimum of 3.00 GPA <i>and the GRE</i> is required for all programs (Master of Science <i>thesis and non-thesis option</i> and Doctor of Philosophy). Individual faculty serving as major professors may have additional requirements for students they advise. Therefore, it is advisable that a prospective student contact faculty with whom he/she is interested in working to determine if they have additional admission requirements. An international applicant is required to have a TOEFL (Test of English as a Foreign Language) score of 575 PBT (84 iBT) or an IELTS (International English Language Testing Systems) score of 7.0 or higher to be considered for admission.	A minimum of 3.00 GPA is required for all programs (Master of Science, Master of Agriculture , and Doctor of Philosophy). Individual faculty serving as major professors may have additional requirements for students they advise. Therefore, it is advisable that a prospective student contact faculty with whom he/she is interested in working to determine if they have additional admission requirements. An international applicant is required to have a TOEFL (Test of English as a Foreign Language) score of 575 PBT (84 iBT) or an IELTS (International English Language Testing Systems) score of 7.0 or higher to be considered for admission.
Provisional Admission	Provisional Admission
Provisional admission requirements may be indicated by the student's major professor or imposed by the Office of the Graduate School in accordance with University admission policies. See <u>Provisional Admission Requirements</u> in this catalog.	Provisional admission requirements may be indicated by the student's major professor or imposed by the Office of the Graduate School in accordance with University admission policies. See <u>Provisional Admission Requirements</u> in this catalog.
Academic Performance	Academic Performance
The Department of Animal and Dairy Sciences adheres to the academic performance standards of the Office of the Graduate School and CALS. Students are referred to these criteria for <u>provisional admission</u> , <u>contingent admission</u> , <u>academic performance</u> , and <u>dismissal</u> policies.	The Department of Animal and Dairy Sciences adheres to the academic performance standards of the Office of the Graduate School and CALS. Students are referred to these criteria for <u>provisional admission</u> , <u>contingent admission</u> , <u>academic performance</u> , and <u>dismissal</u> policies.
To graduate, the student must complete all University and degree program requirements listed in the Catalog of the Graduate School under which he/she began the program. A graduate student cannot graduate under any	To graduate, the student must complete all University and degree program requirements listed in the Catalog of the Graduate School under which he/she began the program. A graduate student cannot graduate under any of the following circumstances.

of the following circumstances.

1. A GPA lower than 3.00 for all courses attempted for graduate credit after admission to the degree program or
2. A grade of D or lower on the program of study or
3. More than two courses (not exceeding 8 credit hours) with a grade of C or lower earned for all courses since admission into the program, including those outside the program of study* or
4. A U grade in thesis or dissertation research credit in the final semester or
5. A grade of I (Incomplete) on his/her transcript

*NOTE: The original grade for a course that is retaken will not be included in the eight hours. However, the original grade is included as part of the calculation of the GPA. See the Course Retake Policy section for additional details.

No graduate courses with pass/fail credit are accepted as part of a graduate program. Grades of pass/fail are not awarded at MSU and cannot be transferred to MSU.

A GPA of 3.00 on the minor coursework is required for students completing a minor.

Stipends

Students who have not met the requirements for full admission to their degree program are not eligible to receive an assistantship. Students with a GPA less than 3.00 or who have been admitted on a provisional/probationary status are not eligible to receive an assistantship. Graduate assistantships provide students a salary for 20 hours of work per week which is NOT part of their own research. These 20 hours per week may be spent on research, teaching, and/or service. The student is also expected to complete work toward his or her own research IN ADDITION TO their assistantship duties.

Master of Science in Agriculture with Animal Sciences Concentration - Thesis

The program of study is developed by the student and his/her major professor with approval by the student's graduate committee in accordance with Graduate School policy and must include core courses as

1. A GPA lower than 3.00 for all courses attempted for graduate credit after admission to the degree program or
2. A grade of D or lower on the program of study or
3. More than two courses (not exceeding 8 credit hours) with a grade of C or lower earned for all courses since admission into the program, including those outside the program of study* or
4. A U grade in thesis or dissertation research credit in the final semester or
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*NOTE: The original grade for a course that is retaken will not be included in the eight hours. However, the original grade is included as part of the calculation of the GPA. See the Course Retake Policy section for additional details.

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A GPA of 3.00 on the minor coursework is required for students completing a minor.

Stipends

Students who have not met the requirements for full admission to their degree program are not eligible to receive an assistantship. Students with a GPA less than 3.00 or who have been admitted on a provisional/probationary status are not eligible to receive an assistantship. Graduate assistantships provide students a salary for 20 hours of work per week which is NOT part of their own research. These 20 hours per week may be spent on research, teaching, and/or service. The student is also expected to complete work toward his or her own research IN ADDITION TO their assistantship duties.

Master of Science in Agriculture with Animal Sciences Concentration - Thesis

The program of study is developed by the student and his/her major professor with approval by the student's graduate committee in accordance with Graduate School policy and must include core courses as specified below. In addition to the Graduate School requirements for a master's graduate committee, the department requires that at least two committee members must be from the Department of Animal and Dairy Sciences.

For the master's degree in Agriculture with a

specified below. In addition to the Graduate School requirements for a master's graduate committee, the department requires that at least two committee members must be from the Department of Animal and Dairy Sciences.

For the master's degree in Agriculture with a concentration in Animal Science, the student must have completed or will be required to complete in addition to the graduate coursework, 9 credit hours (*4000 level or above*) of animal/dairy sciences courses. *These 9 credit hours must include at least one course in breeding, nutrition, or reproduction and at least one course in a species-specific production system.* All students are expected to demonstrate a working knowledge of the Animal and Dairy Sciences field.

Opportunities to meet this expectation include: audit additional animal sciences courses (below 4000 level), serve as a teaching assistant for Introduction to Animal Science, or attend departmental journal clubs. Students not holding a degree in Animal or Dairy Sciences (or related field) will be required to do at least one of the above, as directed by the major advisor.

M.S. thesis candidates are required by the Department of Animal and Dairy Sciences to submit *a written proposal of the intended research area during the first year of the graduate program, in addition to the submission of an annual progress report of research, teaching, extension and service activities, and a final written and oral presentation of the thesis work.*

Master of Science in Agriculture with Animal Sciences Concentration – Non-thesis

The program of study is developed by the student and his/her major professor with approval by the student's graduate committee in accordance with Graduate School policy and must include core courses as specified below. In addition to the Graduate School requirements for a master's graduate committee, the department requires that at least two committee members must be from the Department of Animal and Dairy Sciences.

For the master's degree in Agriculture with a concentration in Animal Science, the student must have completed or will be required to complete in addition to the graduate coursework, 9 credit hours (4000 level or above) of animal/dairy sciences courses. These 9 credit hours must include at least one course in breeding, nutrition, or reproduction and at least one course in a species-specific production system. All students are expected to demonstrate a working knowledge of the Animal and Dairy Sciences field.

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Students not holding a degree in Animal or Dairy Sciences (or related field) will be required to do at least one of the above, as directed by the major advisor.

M.S. thesis candidates are required by the Department of Animal and Dairy Sciences to submit an annual progress report of research, teaching, extension and service activities, and a final written and oral presentation of the thesis work.

<p><i>Opportunities to meet this expectation include: audit additional animal sciences courses (below 4000 level), serve as a teaching assistant for Introduction to Animal Science, or attend departmental journal clubs.</i></p> <p><i>Students not holding a degree in Animal or Dairy Sciences (or related field) will be required to do at least one of the above, as directed by the major advisor. Any undergraduate courses would not be included in the program of study.</i></p> <p><i>The non-thesis student is required to complete 30 hours of coursework as approved by his/her graduate committee. Some Directed Individual Study courses, numbered at the 7000-level, may be approved to meet the 8000-level course requirement. Not more than 6 hours of graduate credit may be earned in Directed Individual Study courses. Students will also have to complete a scholarly activity, participate in research projects, and develop a scholarly document focused on subject area.</i></p>			
<p>"[Click here and type old concentration description]"</p>		<p>"[Click here and type new concentration description]"</p>	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses No college requirements		College Required Courses No college requirements	
Major Required Courses No major requirements		Major Required Courses No major requirements	
Concentration 1. Courses		Concentration 1. Courses	
<u>Thesis option</u>		<u>MS Thesis</u>	
Graduate Seminar (ADS 8111, ADS 8121, or ADS 8131 are suggested courses)	2	Graduate Seminar (ADS 8111 is suggested course)	2
Statistics (ST 8114 and ST 8214 are suggested courses)	8	Statistics (ST 8114 and ST 8214 or ADS 8004 are suggested courses)	8
Biochemistry (ADS 8333, BCH 6013, BCH 6603, or BCH 6613 are suggested courses)	3	Biochemistry (ADS 8333, BCH 6013, BCH 6603, or BCH 6613 are suggested courses)	3
ADS 8000 Thesis Research/Thesis in Animal and Dairy Sciences	6	ADS 8000 Thesis Research/Thesis in Animal and Dairy Sciences	6
Graduate level coursework with at least 12 hours at the 8000-level.	11	Graduate level coursework with at least 12 hours at the 8000-level.	11
<u>Thesis total hours</u>	<u>30</u>	<u>Thesis total hours</u>	<u>30</u>
<u>Non-thesis option</u>			
Graduate Seminar (ADS 8111, ADS 8121,	2		

<i>or ADS 8131 are suggested courses)</i>			
<i>Statistics (ST 8114 and ST 8214 are suggested courses)</i>	8		
<i>Biochemistry (ADS 8333, BCH 6013, BCH 6603, or BCH 6613 are suggested courses)</i>	3		
<i>Directed Individual Study</i>	3		
<i>Graduate level coursework with at least 12 hours at the 8000-level</i>	14		
<i>Non-thesis total hours</i>	<u>30</u>		
Concentration 2. Courses		Concentration 2. Courses	
Total Hours	30/30	Total Hours	30

3. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

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

No change in needs is expected. We anticipate eliminating the GRE requirement will make application more accessible. Removing the specific requirements of "pre-requisite" courses for students coming in from outside an animal and dairy sciences background will make each program a better fit for a student's particular situation.

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

No

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

Reducing the burden of the GRE as an entrance requirement may advance student diversity, indirectly, in the department.

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.

No

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.

No

4. SUPPORT
See attached.

5. PROPOSED 4-LETTER ABBREVIATION
ADSC

6. EFFECTIVE DATE
Fall 2021



MISSISSIPPI STATE
UNIVERSITY.

DEPARTMENT OF
ANIMAL AND DAIRY SCIENCES
P.O. Box 9815
Mississippi State, MS 39762
P. 662.325.2802
F. 662.325.8873

February 8, 2021

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

Dear Dr. Franz,

The Graduate Faculty of the Department of Animal and Dairy Sciences supports the changes listed below.

Modification of our MS, MAG, and PhD programs to alter the entrance requirements (removal of GRE requirement), remove some descriptive text about pre/co-requisites, and remove a requirement of a written proposal. Further, there are a couple minor adjustments to course options listed.

We are also proposing a new course (ADS 8441), to meet a need to improve critical reading and understanding of current literature in the animal sciences among our graduate students.

Signatures of support by graduate faculty are below.

Sincerely,

Jamie Larson
Graduate Coordinator



MISSISSIPPI STATE
UNIVERSITY.

DEPARTMENT OF
ANIMAL AND DAIRY SCIENCES

P.O. Box 9815
Mississippi State, MS 39762
P. 662.325.2802
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Jamie Larson, Graduate Chair	<u>Jamie Larson</u>
Brandi Karisch	
Brian Rude	<u>Brian J. Rude</u> Brian J. Rude (Feb 9, 2021 05:44 CST)
Molly Nicodemus	<u>Molly Nicodemus</u> Nicodemus Molly (Feb 8, 2021 16:42 CST)
Jean Feugang	<u>JMF</u> JMF (Feb 8, 2021 18:10 CST)
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Clay Cavinder	<u>Clay Cavinder</u> Clay cavinder (Feb 8, 2021 20:02 CST)
Leyla Rios	<u>Leyla Rios</u>
Erdogan Memili	
Shengfa Liao	<u>shengfa Liao</u> shengfa Liao (Feb 9, 2021 10:01 CST)
Derris Burnett	<u>Derris D. Burnett</u> Derris D. Burnett (Feb 11, 2021 11:25 CST)

BUILDING THE FUTURE OF ANIMAL AGRICULTURE



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UNIVERSITY.

DEPARTMENT OF
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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 and Sciences

Department: African American Studies

Contact Person: Donald Shaffer

Mail Stop: 9567

E-mail: ds649@msstate.edu

Nature of Change: Degree Modification (AAS Minor) **Date Initiated:** Spring 2021

Effective Date: Spring 2022

Current Degree Program Name: African American Studies Minor

Major:

Concentration:

New Degree Program Name:

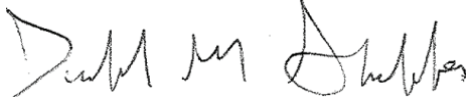
Major:

Concentration:

Summary of Proposed Changes: The proposal changes the requirements for the minor in African American Studies: The previous requirements stipulated that students must take a total of 18 credit hours consisting of AAS 1063, at least 3 credit hours in the category of Literature and Fine Arts, at least 3 credit hours in the category of Social Science, at least 6 credit hours in the category of Humanities, and a 3-credit hour elective that can be fulfilled by any courses at the 3000 or 4000 level. The proposed change to the minor would instead require students to complete at least **6 credit hours in the category of Humanities and Fine Arts and at least 6 credit hours in the category of Social Sciences**. Students electing to complete the AAS minor would still take a total of 18 credit hours of designated courses in the curriculum, including AAS 1063 (Introduction to African American Studies) and a 3 credit hour elective that can be fulfilled by any course in the AAS curriculum at the 3000 or 4000 level.

Approved:

Date:



March 19, 2021

Department Head

Heather R. Jordan

Digitally signed by Heather R. Jordan

Date: 2021.04.09 12:32:14 -05'00'

Chair, College or School Curriculum Committee

Thomas Anderson

Digitally signed by Thomas Anderson

CN: cn=Thomas Anderson, o=Mississippi State University, email=tja1@missstate.edu, c=US

Date: 2021.04.09 12:31:27 -05'00'

Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

AAS Degree Modification Proposal and Justification

1. CURRENT CATALOGUE DESCRIPTION	PROPOSED CATALOGUE DESCRIPTION
<p>Catalogue Description</p> <p>The African American Studies Program, which brings together an interdisciplinary community of scholars, offers courses leading to a minor in African American Studies. Our faculty is committed to exploring creative approaches to teaching and scholarship that offer fresh insights into the interpretation of the black experience. While the majority of our courses examine the experiences of African Americans, the minor concentration enables students to study Africans in the homeland and the Diaspora. These courses include history, literature, politics, race relations, and the arts.</p> <p>The interdisciplinary Minor in African-American Studies consists of 18 credit hours offered through several departments within the College of Arts & Sciences. The courses included in the minor focus on aspects of the African-American experience. To earn the minor a student must take a total of 18 credit hours consisting of AAS 1063, at least 3 credit hours in the category of Literature and Fine Arts, at least 3 credit hours in the category of Social Science, at least 6 credit hours in the category of Humanities, and a 3-credit hour elective that can be fulfilled by any courses at the 3000 or 4000 level.</p>	<p>Catalogue Description</p> <p>The African American Studies Program, which brings together an interdisciplinary community of scholars, offers courses leading to a minor in African American Studies. Our faculty is committed to exploring creative approaches to teaching and scholarship that offer fresh insights into the interpretation of the black experience. While the majority of our courses examine the experiences of African Americans, the minor concentration enables students to study Africans in the homeland and the Diaspora. These courses include history, literature, politics, race relations, and the arts.</p> <p>The interdisciplinary Minor in African-American Studies consists of 18 credit hours offered through several departments within the College of Arts & Sciences. The courses included in the minor focus on aspects of the African-American experience. To earn the minor a student must take a total of 18 credit hours consisting of AAS 1063, <i>at least 6 credit hours in the category of Humanities and Fine Arts, at least 6 credit hours in the category of Social Science</i>, and a 3 credit hour elective that can be fulfilled by any course in the AAS curriculum at the 3000 or 4000 level. <i>No more than fifty percent of the AAS minor can be completed by courses from any academic department.</i></p>
CURRENT CURRICULUM OUTLINE	PROPOSED CURRICULUM OUTLINE
<p>Curriculum Outline</p> <p>Students who want to minor in African American Studies must complete 18 semester hours as outlined below.</p> <p>Required Course</p>	<p>Curriculum Outline</p> <p>Students who want to minor in African American Studies must complete 18 semester hours as outlined below.</p> <p>Required Course AAS 1063 Introduction to African (3 Hours) American Studies</p>

<p>AAS 1063 Introduction to African (3 Hours) American Studies</p> <p>Humanities Requirements (6 Hours) AAS/HI 3013 African American History to 1865 AAS/HI 3023 African American History since 1865 AAS/HI 3713 History of African American Women AAS/HI 4363 African American History & Culture AAS/HI 4373 History of Modern Civil Rights Movement AAS/HI 4783 African Civilization to 1880 AAS/HI 4793 Modern Africa AAS 4093 The African Diaspora AAS 4383 African American Leadership in the 20th-Century AAS/HI 4983 African Americans and the Law</p> <p>Literature and Fine Arts Requirements (3 Hours) AAS/EN 2363 Introduction to African American Literature AAS/EN 4343 African American Literature AAS/MU 1103 African American Music AAS/ART/AN 3153 African Art & Culture</p> <p>Social Science Requirements (3 Hours) AAS/PS 4273 African American Politics AAS/PS 4543 African Politics AAS/SO/AN 2203 Cultural and Racial Minorities AAS/PS 3043 Modern Civil Rights Law AAS/AN 3193 African Cultures AAS/SO/CO 4643 Race and the Media AAS/HI 4983 African Americans and the Law</p> <p>Elective 3</p> <p>Total Credit Hours: 18</p>	<p><i>Humanities and Fine Arts Requirements (6 Hours)</i> AAS/HI 3013 African American History to 1865 AAS/HI 3023 African American History since 1865 AAS/HI 3713 History of African American Women AAS/HI 4363 African American History & Culture AAS/HI 4373 History of Modern Civil Rights Movement AAS/HI 4783 African Civilization to 1880 AAS/HI 4793 Modern Africa AAS 4093 The African Diaspora AAS 4383 African American Leadership in the 20th-Century <i>AAS/HI 4983 African Americans and the Law</i> <i>AAS/PHI 3143 African American Religious Experience</i> <i>AAS/PHI 3183 African American Philosophy</i> <i>AAS/EN 2363 Introduction to African American Literature</i> 3 <i>AAS/EN 4343 African American Literature</i> <i>AAS/EN 4983 Postcolonial Literature and Theory</i> <i>AAS/MU 1103 African American Music</i> <i>AAS/ART/AN 3153 African Art & Culture</i> AAS 2990 Special Topics in AfAm Studies AAS 4990 Special Topics in AfAm Studies 3</p> <p><i>Social Sciences Requirements (6 Hours)</i> AAS/PS 3043 Modern Civil Rights Law <i>AAS/PS 4253 Southern Politics</i> <i>AAS/PS 4643 Ethnic Conflict</i> AAS/PS 4273 African American Politics AAS/PS 4543 African Politics AAS/SO/AN 2203 Cultural and Racial Minorities <i>AAS/SO 3353 Race, Crime and Justice</i> AAS/SO/CO 4643 Race and the Media AAS/AN 3193 African Cultures AAS 4383 African American Leaders in the 20th Century 3 AAS 2990 Special Topics in AfAm Studies AAS 4990 Special Topics in AfAm Studies</p> <p>Elective 18 3</p> <p>Total Credit Hours: 18</p>
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2. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

The degree program modification was undertaken to give students minoring in African American Studies more flexibility in choosing courses. The proposal to combine the categories of “Literature and Fine Arts” with “Humanities” for a total of six required credit hours will provide students with a wider array of courses from which to select. In addition, placing literature in the category of “Humanities and Fine Arts” reflects the historical placement of that discipline in the Humanities. This change also makes it easier for students to complete the minor. Because AAS is an interdisciplinary program with just a few core faculty members, we rely on affiliated faculty from other departments to deliver most of the courses in our curriculum. This change will ensure that the courses our students need to complete the minor will be offered on a regular basis. Another added benefit of the change is that in requiring students to take 6 credit hours in the Social Sciences rather than the previous requirement of 3 credit hours, the program can better attest to its claim to be interdisciplinary. No more than fifty percent of courses from any particular department can count toward completion of the AAS minor.

The proposed changes to our minor curriculum reflect comparable minor programs in African American Studies. Most programs require students to complete courses in the Humanities and Social Sciences. An “introduction to African American Studies” course that provides an historical overview of the field is also usually a requirement. While AAS 1063 (Introduction to African American Studies) is the only course that our students must take, other programs have two or three courses that must be taken as part of their curriculum requirements. [See figure A.]

A. Catalogue Description of Requirements for African American Studies Minor Programs at Two Peer Institutions

1. **University of Mississippi:** The minor in African American studies consists of 18 semester hours, including AAS 201 and 202, 6 credit hours from a list of African and African American history courses, and 6 credit hours from a list of African and African American political and social institutions courses and culture courses.
2. **University of Kentucky:** The requirements for the minor in AAS include the following: AAS 200 – Introduction to African-American Studies [3 hours]; AAS 400 – Special Topics in African-American Studies [3 hours]; and AAS 401 – Independent Reading and Research in African-American Studies [3 hours]

Students must complete at least six hours of course work in humanities (as approved by the African American Studies Committee). For a complete list of approved courses please refer to the UKY Bulletin [6 hours]

Students must complete at least six hours in the social sciences (as approved by the African American Studies Committee). For a complete list of approved courses please refer to the UKY Bulletin [6 hours]. Total Hours – 21.

The proposed changes to the minor will reflect some of the academic trends across Universities that have emphasized interdisciplinary education. Increasingly, Universities are developing multidisciplinary programs that engage a range of critical expertise and subject matter. These changes will appeal to students in both social science and humanities related fields who similarly want to engage in interdisciplinary learning and research.

These changes are consistent with student responses to questions about why they enrolled in African American Studies courses. A study conducted by Donald Shaffer and Fabio Rojas found that a strong reason for enrolling in African American studies courses was “the importance of Black history and culture” (Rojas and Shaffer 2008). The same study also found that students were very interested in diverse subject matter and interdisciplinary studies. These changes to the minor program will ensure that students have an opportunity to take courses in wide ranging disciplines such as Art and Anthropology, but can do so in such a way that establishes critical linkages between courses and disciplines.

The common feature of courses such as African American Religious Experience (AAS 3143) and Southern Politics (AAS 4253) is that they are both invested in a mode of critical inquiry that examines African American lived experience from multiple disciplinary perspectives. Dr. Anthony Neal, who teaches the former, will undoubtedly describe the political function of black Churches during the Civil Rights movement, and their deep investment in a Jeremiad tradition of liberation theology that emphasizes social justice. Dr. Steve Shaffer, who teaches AAS/PS 4253 Southern Politics, can offer insight into the grassroots political movements that were a function of the Civil Rights struggle of the 1960s and the social organizations including black Churches that provided the institutional structure for such political action. Students taking both of these of courses will be able to engage the important history of black Civil Rights from an interdisciplinary perspective—one that brings into focus several objects of study.

3. SUPPORT

See enclosed letters of support for the degree/program modification proposal.

4. PROPOSED FOUR LETTER ABBREVIATION

NA

5. EFFECTIVE DATE

Spring Semester 2022



MISSISSIPPI STATE
UNIVERSITY™

College of Arts & Sciences
African American Studies

March 20, 2019

Dr. Dana P. Franz
Chair UCCC
Mississippi State
MS 39762

Dear Dr. Franz:

Let this letter show that the Affiliated Faculty and the Curriculum Committee of the African American Studies program support the current proposal to revise the requirements for the minor in African American Studies. The proposal will combine the existing requirements of "Literature and Fine Arts," for which students currently must complete three credit hours, and "Humanities," for which students currently must complete six credit hours. The proposed requirements would create the new category of "Humanities and Fine Arts," for which students would need to complete six credit hours. In addition, the requirements for the category of "Social Sciences" would be changed as well, so students would need to complete six credit hours instead of the previous requirement of three credit hours.

These changes were undertaken so that the AAS minor would reflect the interdisciplinary approach to learning that has come to define the field of African American Studies. The dual emphasis on the humanities and the social sciences in the minor will give students an opportunity to learn and apply critical methodologies in both areas of study. These changes will also ensure that students have more flexibility in choosing courses, as well as ensure that the courses they need to complete the minor are available.



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College of Arts & Sciences
African American Studies

I am happy to provide any additional information regarding this proposal or any other questions you may have.

Sincerely,

Dr. Donald M. Shaffer
Interim Director of African
American Studies, Chair of
AAS Curriculum Committee

Dr. Andrea Spain
AAS Curriculum Committee

Dr. Anthony Neal
AAS Curriculum Committee



MISSISSIPPI STATE UNIVERSITY...

Department of Philosophy and Religion

Dr. Dana P. Franz
Chair UCCC
Mississippi State
MS 39762

March 26, 2019

Dear Dr. Franz,

We are writing in support of cross-listing the courses below with African American Studies. The courses have already been approved by the University Committee on Courses and Curricula. They are of interest not only to our majors, but also to students from across the academic disciplines. The courses are:

1. African American Religious Experience (REL 3143/AAS 3143).
2. African American Philosophy (PHI 3183/AAS 3183). The two African American courses are a response to student demand for more courses in this subject field. The provision of these two courses will greatly enhance the course offerings in African American Studies and Religion, as well as bringing us in line with our peer institutions.

We highly recommend the addition of these courses cross-listed under the AAS designation to Mississippi State's University curriculum.

Yours sincerely,

Albert Bisson, Th.M.
Curriculum Committee Chair

Robert Thompson, Ph.D.
Curriculum Committee

Lynn Holt, Ph.D. Curriculum
Committee



MISSISSIPPI STATE
UNIVERSITY

DEPARTMENT OF POLITICAL SCIENCE
AND PUBLIC ADMINISTRATION

To: University Committee on Courses and Curricula

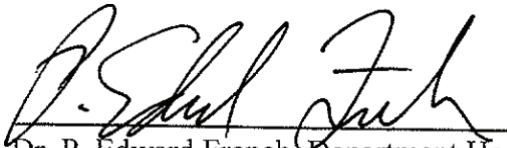
From: P. Edward French, Department Head of Political Science & Public Administration

Date: October 8, 2018

I have reviewed the proposal to give students minoring in African American Studies more flexibility in choosing courses. Two of these involve current Political Science courses PS 4643 (Ethnic Conflict), and PS 4253 (Southern Politics). The proposed changes will hopefully increase the number of students in these classes and help the African-American Studies program.

We support this proposal and appreciate your consideration of it. If you have any questions or need any additional information, please contact Dr. P. Edward French
efrench@pspa.msstate.edu.

Thank you for your attention and time in considering this request.



Dr. P. Edward French, Department Head



To: University Committee on Courses and Curricula

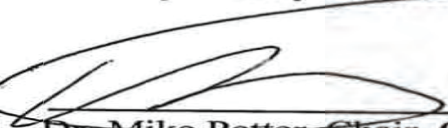
From: Department Curricula Committee, Political Science & Public Administration

Date: April 4, 2019


I have reviewed the proposed to give student minoring in African-American Studies more flexibility in choosing courses. Two of these involve current Political Science courses PS 4643 (Ethnic Conflict), and PS 4523 (Southern Politics). The proposed changes will hopefully increase the number of students in these classes and help the African-American Studies program.

We support this proposal and appreciate your consideration of it. If you have any questions or need any additional information, please contact Dr. Mike Potter mp2146@msstate.edu.

Thank you for your attention and time in considering this request.



Dr. Mike Potter, Chair, Courses & Curricula Committee



Dr. Brian Shoup



Dr. Leslie Baker



Dr. James Chamberlain



Dr. Eddie French

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 Arts and Sciences

Department: Army ROTC

Contact Person: MAJ Kenneth Bush **Mail Stop:** 9539

E-mail: kbush@armyrotc.msstate.edu

Nature of Change: Degree Modification

Date Initiated: 12 April 2021

Effective Date: 1 August 2021

Current Degree Program Name: Organizational Leader Development

Major:

Concentration:

New Degree Program Name: No Change

Major:

Concentration:

Summary of Proposed Changes:

The Military Science (MS) ROTC Department has requested proposed changes to the names of all courses to align with the official naming convention approved by U.S. Army Cadet Command (USACC). In addition, the course numbers for the MS 3000 level courses have a requested update in order to align with the contact hours for the courses. The changes are for MS 3113 to MS 3114 and MS 3123 to MS 3124. No substantive changes have been made to the content of the courses. Below are the current names of the courses used for the Organizational Leader Development Minor along with the new names. Upon approval of the new names and number changes, the Minor will need to be adjusted in order to be awarded using the new course names.

Course Number	Old Name	New Name
MS 2113	Advanced Leadership	Leadership and Ethics
MS 2123	Tactics and Officership	Army Doctrine and Decision Making
MS 3114	Advanced Military Skills I	Training Management and the Warfighting Functions
MS 3124	Advanced Military Skills II Operations	Applied Leadership in Small Unit

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: Minor in Organizational Leader Development Major: Concentration:		Degree: No Change Major: Concentration:	
Organizational Leader Development is an academic discipline with applicability to all Mississippi State University students. The Organizational Leader Development minor can be applied in military, government, and business. The program provides a curriculum that develops students into agile leaders who can think creatively and critically, enabling them to lead and solve complex organizational matters. Students will also be able to develop others in their organization, producing a more effective environment. This is achieved through classroom training, leadership labs, and comprehensive summer training.		No Change	
"[Click here and type old concentration description]"		"[Click here and type new concentration description]" No Change	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
MS 2113 <i>Advanced Leadership</i>	3	MS 2113 Leadership and Ethics	3
MS 2123 <i>Tactics and Officership</i>	3	MS 2123 Army Doctrine and Decision Making	3
MS 3113 <i>Advanced Military Skills I</i>	3	MS 3114 Training Management and the Warfighting Functions	4
MS 3123 <i>Advanced Military Skills II Operations</i>	3	MS 3124 Applied Leadership in Small Unit	4
MS 4114 <i>Leadership Challenges and Goal Setting</i>	4	MS 4114 The Army Officer	4
MS 4124 <i>Transition to Lieutenant</i>	4	MS 4124 Company Grade Leadership	4
Major Core Courses		Major Core Courses	
Concentration Courses		Concentration Courses	
Total Hours	20	Total Hours	22

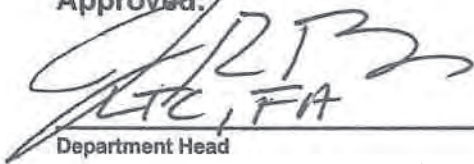
MS 4114 Leadership Challenges and
Goal-Setting

The Army Officer

MS 4124 Transition to Lieutenant

Company Grade Leadership

Approved:

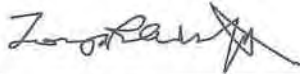


Department Head

Heather R.
Jordan

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Jordan
Date: 2021.04.13 10:22:43
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Chair, College or School Curriculum Committee



Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

Date:

13 APR 2021

13 Apr 2021



THE SMARTEST COLLEGE COURSE YOU CAN TAKE.

Offering Careers As Officers in:
The United States Army • The Army Reserve • The National Guard

University Courses and Curriculum Committee:

To whom it may concern:

The Military Science (MS) ROTC Department has a minor in Organizational Leader Development that consists of the MS 2000, MS 3000, and MS 4000 courses. A request has been made to change the names of all courses to align with the official naming convention approved by U.S. Army Cadet Command (USACC). Request a modification to the minor to align with the new naming convention requested.

Questions regarding these changes should be directed to MAJ Kenneth Bush
(kbush@armyrotc.msstate.edu), 662-325-1586.

Jason R. Posey
LTC, Professor of Military Science

Kenneth A. Bush
MAJ, Associate Professor of Military Science

Gerardo L. Duran
MSG, Senior Military Science Instructor



THE SMARTEST COLLEGE COURSE YOU CAN TAKE.

Offering Careers As Officers in:

The United States Army • The Army Reserve • The National Guard

A handwritten signature in black ink, appearing to read "Willie B. Proctor".

Willie B. Proctor

SFC, Military Science Instructor

A handwritten signature in black ink, appearing to read "Christopher L. Baker".

Christopher L. Baker

CTR, Senior Military Science Instructor

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: Adkerson School of Accountancy

Contact Person: Brad Trinkle Mail Stop: 9584 E-mail: brad.trinkle@msstate.edu

Nature of Change: Modification Date Initiated: 04/05/2021 Effective Date: Summer 2021

Current Degree Program Name: Bachelor of Accountancy

Major: Accounting Concentration: n/a

New Degree Program Name: Bachelor of Accountancy

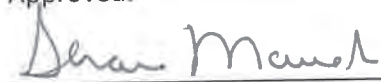
Major: Accounting Concentration: n/a

Summary of Proposed Changes:


- Change catalog description
- Change computer literacy requirement to a grade of C or higher
- Omit Junior Screens from Degree Description

Approved:

Date:



Department Head



4.7.21



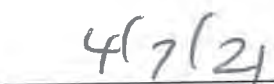
Chair, College or School Curriculum Committee



4.7.21



Dean of College or School



4/7/21

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

1. CATALOG DESCRIPTION

CURRENT Catalog Description	PROPOSED Catalog Description
<p>Director: Shawn Mauldin Office: 300 McCool Hall, 325-3710</p> <p>Academic Coordinator: Trina Pollan Office: 300A McCool Hall, 325-1631</p> <p>The Richard C. Adkerson School of Accountancy is a professional school whose mission is to prepare students for successful careers in accountancy and business by fostering an environment that promotes innovative teaching and curricula, high quality research, and professional engagement. Such career preparation includes a wide range of professional accounting activities, general education, and broad training in business administration. This program of study gives students the basic preparation for positions in all areas of accounting including, but not limited to, public, private, and governmental accounting. It also (1) requires students to take a planned and coordinated non-business program designed to increase their cultural appreciation and give them a broad knowledge of world affairs and (2) permits the election of additional non-business courses according to the interests of the individual student.</p> <p>The accountancy program is accredited by the AACSB (The International Association for Management Education) as part of the overall accreditation of the College of Business as well as the separate and additional accreditation of accounting programs.</p> <p>Certification</p> <p>The Bachelor of Accountancy Degree (BACC) from the Adkerson School of Accountancy, Mississippi State University, is recognized by those states requiring the baccalaureate degree as a minimum, as fulfilling all the educational requirements for eligibility to sit for the Certified Public Accountant (CPA) examination. Students planning to sit for the exam should review the specific educational requirements of the state for which they</p>	<p>Director: Shawn Mauldin Office: 300 McCool Hall, 325-3710</p> <p>Academic Coordinator: Trina Pollan Office: 300A McCool Hall, 325-1631</p> <p>The Richard C. Adkerson School of Accountancy is a professional school whose mission is to prepare students for successful careers in accountancy and business by fostering an environment that promotes innovative teaching and curricula, high quality research, and professional engagement. Such career preparation includes a wide range of professional accounting activities, general education, and broad training in business administration. This program of study gives students the basic preparation for positions in all areas of accounting including, but not limited to, public, private, and governmental accounting. It also (1) requires students to take a planned and coordinated non-business program designed to increase their cultural appreciation and give them a broad knowledge of world affairs and (2) permits the election of additional non-business courses according to the interests of the individual student.</p> <p>The accountancy program is accredited by the AACSB (The International Association for Management Education) as part of the overall accreditation of the College of Business as well as the separate and additional accreditation of accounting programs.</p> <p>Certification</p> <p>The Bachelor of Accountancy Degree (BACC) from the Adkerson School of Accountancy, Mississippi State University, is recognized by those states requiring the baccalaureate degree as a minimum, as fulfilling all the educational requirements for eligibility to sit for the Certified Public Accountant (CPA) examination. Students planning to sit for the exam should review the specific educational requirements of the state for which they</p>

intend to sit. There are state specific requirements, such as Mississippi's requirement to complete governmental accounting prior to being allowed to sit. The Bachelor of Accountancy degree is also recognized as meeting educational requirements to sit for the Certificate in Management Accountant (CMA) and the Certified Internal Auditor (CIA) examinations. Graduates are encouraged to seek professional certification in one or more areas by passing these examinations.

The American Institute of Certified Public Accountants (AICPA) which prepares and grades the CPA examination, has urged the requirement of five years of academic preparation and has reflected this in the CPA examination. Students who aspire to become certified public accountants should consider the Master of Professional Accountancy or Master of Taxation programs herein described, in addition to the BACC.

Admission

Bachelor of Accountancy (BACC) - Admission to the University is equivalent to admission to *Pre-Accountancy*. International students need a 575 TOEFL score to be admitted.

Junior Screen: In addition to the College of Business criteria, students must meet the following criteria before taking selected 3000- or 4000-level accounting courses:

1. a grade of "B" or better in Principles of Financial Accounting (ACC 2013) and Principles of Managerial Accounting (ACC 2023).
2. a grade of "C" or better in the following five courses (or equivalent): BIS 1012, EC 2113, EC 2123, BQA 2113, BL 2413.
3. *A minimum 2.6 overall GPA and a minimum 2.6 GPA in the seven courses (20 hours) described in number 1 and 2 above.*

Transfer Students

intend to sit. There are state specific requirements, such as Mississippi's requirement to complete governmental accounting prior to being allowed to sit. The Bachelor of Accountancy degree is also recognized as meeting educational requirements to sit for the Certificate in Management Accountant (CMA) and the Certified Internal Auditor (CIA) examinations. Graduates are encouraged to seek professional certification in one or more areas by passing these examinations.

The American Institute of Certified Public Accountants (AICPA) which prepares and grades the CPA examination, has urged the requirement of five years of academic preparation and has reflected this in the CPA examination. Students who aspire to become certified public accountants should consider the Master of Professional Accountancy or Master of Taxation programs herein described, in addition to the BACC.

Admission

Bachelor of Accountancy (BACC) - Admission to the University is equivalent to admission to the **Adkerson School of Accountancy**. International students need a 575 TOEFL score to be admitted.

In addition to the College of Business criteria, students must meet the following criteria before taking selected 3000- or 4000-level accounting courses:

1. a grade of "B" or better in Principles of Financial Accounting (ACC 2013) and Principles of Managerial Accounting (ACC 2023).
2. a grade of "C" or better in the following five courses (or equivalent): BIS 1012, EC 2113, EC 2123, BQA 2113, BL 2413.

Change of Major

Transfer students and MSU students wishing to change their major to accounting, must meet a minimum grade point average requirement. Freshmen must have a minimum 2.0 overall, sophomores must have a minimum 2.25 overall, and juniors must have a minimum 2.6 overall GPA.

Graduation

Bachelor of Accountancy (BACC) –

Requirements for a BACC Degree from the Adkerson School of Accountancy are listed below. It is the student's responsibility to complete the requirements of the BACC curriculum before applying for a degree.

1. A student must be a BACC candidate and complete the required curriculum and a minimum of 123 semester hours.
2. A student must achieve at least a 2.5/4.00 GPA in upper-division business, economics, and statistics courses.
3. A student must achieve at least a 2.5/4.00 GPA in upper-division accounting courses with at least a C in each upper-division accounting course. A student who makes less than a C in an upper-division accounting course must repeat that course the next regular semester that the student is enrolled and the course is offered. Students will be permitted to repeat an upper-division accounting course only once in an effort to make a C in the course. If they make less than a C in two attempts in a specific course, they will no longer be able to continue in the accounting program.
4. Take a minimum of 32 upper level business hours at MSU.
5. Complete the last 32 hours in resident at MSU.

MSU students wishing to change their major to accounting, must meet a minimum grade point average requirement. Freshmen must have a minimum 2.0 overall, sophomores must have a minimum 2.25 overall, and juniors must have a minimum 2.6 overall GPA.

Graduation

Bachelor of Accountancy (BACC) –

Requirements for a BACC Degree from the Adkerson School of Accountancy are listed below. It is the student's responsibility to complete the requirements of the BACC curriculum before applying for a degree.

1. A student must be a BACC candidate and complete the required curriculum and a minimum of 123 semester hours.
2. A student must achieve at least a 2.5/4.00 GPA in upper-division business, economics, and statistics courses.
3. A student must achieve at least a 2.5/4.00 GPA in upper-division accounting courses with at least a C in each upper-division accounting course. A student who makes less than a C in an upper-division accounting course must repeat that course the next regular semester that the student is enrolled and the course is offered. Students will be permitted to repeat an upper-division accounting course only once in an effort to make a C in the course. If they make less than a C in two attempts in a specific course, they will no longer be able to continue in the accounting program.
4. Take a minimum of 32 upper level business hours at MSU.
5. Complete the last 32 hours in resident at MSU.

2. CURRICULUM OUTLINE

CURRENT Degree Description		PROPOSED Degree Description	
Degree: Bachelor of Accountancy Major: Accounting Concentration: n/a		Degree: Bachelor of Accountancy Major: Accounting Concentration: n/a	
No changes to catalog description		Noted above	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
English		English	
EN 1103 or EN 1163	3	EN 1103 or EN 1163	3
EN 1113 or EN 1173	3	EN 1113 or EN 1173	3
Mathematics & Statistics		Mathematics & Statistics	
MA 1313	3	MA 1313	3
MA 1613	3	MA 1613	3
See Major Requirements		See Major Requirements	
Science	6	Science	6
2 Lab Sciences from General Education courses		2 Lab Sciences from General Education courses	
Humanities	6	Humanities	6
See General Education courses		See General Education courses	
Fine Arts	3	Fine Arts	3
See General Education courses		See General Education courses	
Social/Behavioral Sciences		Social/Behavioral Sciences	
PS 1113	3	PS 1113	3
Choose one from General Education courses excluding AEC and EC	3	Choose one from General Education courses excluding AEC and EC	3
Accounting Major Requirements		Accounting Major Requirements	
Oral Communication Requirement		Oral Communication Requirement	
CO 1003 or CO 1013	3	CO 1003 or CO 1013	3
<i>Computer Literacy</i>		Computer Literacy (grade of C or higher)	
Requirement met through BIS 1012		Requirement met through BIS 1012	
<i>(junior Screen)</i>			
International Elective	3	International Elective	3
<i>Junior Screen</i>			
BIS 1012	2	BIS 1012	2
ACC 2013	3	ACC 2013	3
ACC 2023	3	ACC 2023	3
BQA 2113	3	BQA 2113	3
EC 2113	3	EC 2113	3
EC 2123	3	EC 2123	3
BL 2413	3	BL 2413	3
Business Ethics		Business Ethics	
PHI 3013	3	PHI 3013	3
Writing/Communication Course		Writing/Communication Course	
Choose one of the following	3	Choose one of the following	3
EN 3303		EN 3303	
EN 4223		EN 4223	

CO 2253		CO 2253	
CO 3213		CO 3213	
EN 3313		EN 3313	
EDF 3413		EDF 3413	
Upper-level Business Courses		Upper-level Business Courses	
MGT 3113	3	MGT 3113	3
MGT 3213	3	MGT 3213	3
BQA 3123	3	BQA 3123	3
BL 3223	3	BL 3223	3
MKT 3013	3	MKT 3013	3
BIS 3233	3	BIS 3233	3
FIN 3123	3	FIN 3123	3
BUS 4853	3	BUS 4853	3
Upper-level Accounting Courses		Upper-level Accounting Courses	
ACC 3003	3	ACC 3003	3
ACC 3013	3	ACC 3013	3
ACC 3023	3	ACC 3023	3
ACC 3033	3	ACC 3033	3
ACC 3053	3	ACC 3053	3
ACC 4013	3	ACC 4013	3
ACC 4033	3	ACC 4033	3
ACC 4023	3	ACC 4023	3
ACC 4043	3	ACC 4043	3
Free Electives	7	Free Electives	7
Total Hours	124	Total Hours	123

3. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

Catalog description needs to be changed due to the fact that Pre-Accounting no longer exists and the 2.6 GPA requirement for admission has been removed.

4. SUPPORT

See attached Letter of Support

5. PROPOSED 4-LETTER ABBREVIATION

n/a

6. EFFECTIVE DATE

Summer 2021

April 5, 2021

To the University Courses & Curriculum Committee:

*Curriculum
Committee*

The Faculty of the Adkerson School of Accountancy support the modification of the Bachelor of Accountancy's program description, the removal of the admission requirement of a 2.6 GPA, increasing the computer literacy requirement to a grade of C or better, and removal of the terms "Junior Screen" from the degree description.

Alan Stancill

Alan Stancill

Clyde Herring

Clyde Herring

Joshua Hunt

Joshua Hunt

Brad Lang

Brad Lang

Kevin Ennis

Kevin Ennis

Shawn Mauldin

Shawn Mauldin

Brad S. Trinkle

Brad Trinkle

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 Education

Department: Curriculum, Instruction, and Special Education

Contact Person: Kellie Fondren

Mail Stop: 9705

E-mail: pkb22@msstate.edu

Nature of Change: Program Modification

Date Initiated: 12-5-2020

Effective Date: Fall 2021

Current Degree Program Name: Bachelor of Science

Major: Special Education

Concentration: N/A

New Degree Program Name: no change

Major: no change

Concentration: no change

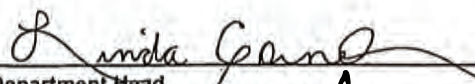
Summary of Proposed Changes:

The proposed changes to the undergraduate special education program of study will include the addition of TECH 4763 Digital Tools for 21st Century Teaching and Learning., which will replace EDF 3333 Social Foundations on the program of study. Further, EDX 3253 Evaluating Learning in Special Education will be added to the program of study replacing EPY 3253 Evaluating Learning. Finally, EDX 4243 Planning for Diversity in Learners in Special Education will replace EPY 4243 Planning for Diversity in Learners on the program of study.

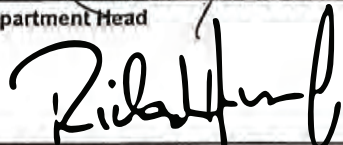
This program modification is being requested due to discussions during Teacher Education Council meetings that included representation from employers, school and community partners as well as Completer/Alumni Survey data revealed the need for more technology preparation and the EDF and EPY courses be more content specific to the program area.

The University of Mississippi and The University of Kentucky are two EPPS that have added similar coursework into their special education program of study.

Approved:



Department Head



Chair, College or School Curriculum Committee



Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

Date:

2/24/2021

March 26, 2021

03.29.2021

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 Major: Special Education Concentration:		Degree: Bachelor Major: Special Education Concentration:	
The program in Special Education is designed to prepare teachers to teach children and youth with learning disabilities, intellectual disabilities, and other areas of exceptionality. The curriculum in special education is designed to meet the requirements for the endorsements in the areas of specialization. The degree program includes extensive field experiences working in schools and classrooms. Courses in the degree program provide students with methods for teaching early childhood, elementary, and secondary students with special needs. The degree program culminates in a semester-long teaching internship in a K-12 setting.		The program in Special Education is designed to prepare teachers to teach children and youth with learning disabilities, intellectual disabilities, and other areas of exceptionality. The curriculum in special education is designed to meet the requirements for the endorsements in the areas of specialization. The degree program includes extensive field experiences working in schools and classrooms. Courses in the degree program provide students with methods for teaching early childhood, elementary, and secondary students with special needs. The degree program culminates in a semester-long teaching internship in a K-12 setting.	
CURRENT CURRICULUM OUTLINE		PROPOSED CURRICULUM OUTLINE	
	Required Hours		Required Hours
English (Ex: EN 1103 English Comp I):	6	English (Ex: EN 1103 English Comp I):	6
Fine Arts (General Education):	3	Fine Arts (General Education):	3
Natural Sciences (2 labs required from Gen Ed):	6-8	Natural Sciences (2 labs required from Gen Ed):	6-8
Math or Science Elective	3	Math or Science Elective	3
Math (General Education): MA 1313	6-9	Math (General Education):	6-9
Humanities (General Education):	6	Humanities (General Education):	6
Social/Behavioral Sciences (Gen Ed):	6	Social/Behavioral Sciences (Gen Ed):	6
Collateral Electives	21	Collateral Electives	21
EDX 3203 Introduction to Learning Disabilities	3	EDX 3203 Introduction to Learning Disabilities	3
EDX 3213 Individualizing Instruction for Exceptional Children	3	EDX 3213 Individualizing Instruction for Exceptional Children	3

EDX 3223 Introduction to Emotional and Behavioral Disorders	3	EDX 3223 Introduction to Emotional and Behavioral Disorders	3
EDX 3233 Contingency Management	3	EDX 3233 Contingency Management	3
EPY 2513 Human Growth and Development	3	EPY 2513 Human Growth and Development	3
EDX 4103 Introduction to Teaching Students with Intellectual and Developmental Disabilities	3	EDX 4103 Introduction to Teaching Students with Intellectual and Developmental Disabilities	3
<i>EDF 3333 Social Foundations</i>	3	TECH Digital Tools for 21st Century Teaching and Learning	3
RDG 3113 Early Literacy 1* RDG 3123 Early Literacy 2* (* Courses must be taken together)	6	RDG 3113 Early Literacy 1* RDG 3123 Early Literacy 2* (* Courses must be taken together)	6
EDX 4113 Methods and Materials for Early Childhood Students with Disabilities	3	EDX 4113 Methods and Materials for Early Childhood Students with Disabilities	3
EDX 4413 Working with Parents of Students with Disabilities	3	EDX 4413 Working with Parents of Students with Disabilities	3
EDX 4353 Assistive Technology \	3	EDX 4353 Assistive Technology	3
EDX 4123 Methods and Materials for Elementary Students with Disabilities	3	EDX 4123 Methods and Materials for Elementary Students with Disabilities	3
EDX 4133 Methods and Materials for Secondary Students with Disabilities	3	EDX 4133 Methods and Materials for Secondary Students with Disabilities	3
<i>EPY 3253 Evaluating Learning</i>	3	EDX 3253 Evaluating Learning in Special Education	3
<i>EDF 4243 Planning for Diversity of Learners</i>	3	EDX 4243 Planning for Diversity of Learners in Special Education	3
EDX 4886 Teaching Internship in Special Education	6	EDX 4886 Teaching Internship in Special Education	6
EDX 4896 Teaching Internship in Special Education	6	EDX 4896 Teaching Internship in Special Education	6
EDX 4873 Professional Seminar in Special Education	3	EDX 4873 Professional Seminar in Special Education	3
Total Hours	123	Total Hours	123

3. Justification and Student Outcomes

The Special Education faculty have reviewed the program of study and the course objectives for each course to ensure we are preparing preservice teachers with the most recent evidence based practices. This program modification is being requested after multiple to discussions during Teacher Education Council meetings that included representation from employers, school and community partners as well as Completer/Alumni Survey data revealed the need for more technology preparation and the EDF and EPY courses be more content specific to the program

area. Students have been asked to provide evaluative feedback of courses to determine gaps in professional skills needs to develop an effective learning environment. After the review of feedback from students, professions, and community partners, our faculty are proposing the following changes to the undergraduate special education program of study to strengthen the learning outcomes of teacher candidates. The addition of TECH 4763 Digital Tools for 21st Century Teaching and Learning., will replace EDF 3333 Social Foundations on the program of study. Further, EDX 3253 Evaluating Learning in Special Education will be added to the program of study replacing EPY 3253 Evaluating Learning. Finally, EDX 4243 Planning for Diversity in Learners in Special Education will replace EPY 4243 Planning for Diversity in Learners on the program of study.

The program modification applies to all campuses (1, 2, 5). Students must be enrolled in Phase II (Teacher Education) of the program and special education majors.

1. This program change will not alter how we meet local, state, regional, and national educational and cultural needs.
 2. This program change will not result in duplication in the system.
 3. This program change will not advance student diversity within the discipline.
 4. This program change will result in an increase in the potential placement of graduates.
 5. The program change will not result in an increase in the potential salaries of graduates.
4. SUPPORT- See attached letters of support.
 5. PROPOSED 4-LETTER ABBREVIATION: EXED
 6. Effective Date- August 2021.

DATE: January 06, 2021

TO: Box Council and UCCC Committee Members

FROM: Dr. Gregory M. Francom

RE: Support of TECH 4763/6763 Course revisions and inclusion

This letter of support is offered by the Instructional Systems and Workforce Development faculty for the inclusion of the TECH 4763/6763 Digital Tools for 21st Century Learning course in the Special Education degree program. As indicated by the signatures below, a majority of the program area faculty have approved the proposal as written for submission to the Box Council and the UCCC.

The ISWD faculty have indicated below their support (or do not support) the proposal as written for submission to the Box Council and the UCCC.

Name	Support	Do not support	Signature
Adams, James	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>James H. Adams</u>
Beriswill, Joanne	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Joanne Beriswill</u>
Bracey, Pamela	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>P. Bracey</u>
Francom, Greg	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Gregory M. Francom</u>
Lee, Sang Joon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Sang Joon Lee</u>
Okojie, Mabel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Mabel Okojie</u>
Sun, Yan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Yan Sun</u>
Yu, Chien	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Chien Yu</u>
Yu, Wei-Chieh	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Wei-Chieh Yu</u>



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF EDUCATION
Department of Curriculum, Instruction,
and Special Education
P.O. Box 9705
175 President's Circle
Allen Hall, Room 310
Mississippi State, MS 39762
P. 662.325.3523
F. 662.325.7857
cise.msstate.edu

January 8, 2021

Dr. Cornelious,

The special education faculty supports the proposed modification to the undergraduate special education program of study will include the addition of TECH 4763 Digital Tools for 21st Century Teaching and Learning. EDF 3333 Social Foundations will be removed. The addition of new course EDX 3253 Evaluating Learning in Special Education with EPY 3253 Evaluating Learning being removed. The addition of new course EDX 4243 Planning for Diversity in Learners in Special Education with EDF 4243 Planning for Diversity in Learners being removed.

This program modification is being requested due to discussions during Teacher Education Council meetings that included representation from employers, school and community partners as well as Completer/Alumni Survey data revealed the need for more technology preparation and the EDF and EPY courses be more content specific to the program area.

Thank you,

Dr. Kent Coffey

Date

Dr. Sandy Devlin

Date

Dr. Kellie Fondren

Date

APPROVAL FORM FOR
DEGREE PROGRAMS
MISSISSIPPI STATE UNIVERSITY

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College: Education Department: Curriculum, Instruction, and Special Education

Contact Person: Dr. Kenneth Anthony

Mail Stop: 9705

E-mail: kanthony@colled.msstate.edu

Nature of Change:

Date Initiated: April 27, 2020

Effective Date: FALL 2021

Current Degree Program Name: B.S.

Major: Elementary Education Concentration: Early Childhood & Middle School

New Degree Program Name: No change

Major: No change Concentration: No change

Summary of Proposed Changes:

Two three hour courses, EDF 3333 Social Foundations and EDF 3423 Exploring Diversity Through Writing, are being replaced with TECH 4763 Digital Tools for 21st Century Teaching and Learning and EPY 4103 Behavior Analysis for Behavior Technicians. Based off feedback from former graduates of the program, this change will provide students with an additional management class as well as a technology class.

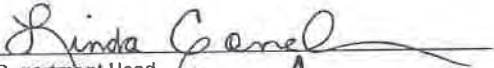
Applies only to Middle School Concentration:

Two three hour content courses from the Mississippi State General Education Core Curriculum are being replaced with two three hour elementary education electives. Students will Choose one: Additional 3 hour course that leads to an additional content or add-on certification (ESL, Art, Music, Foreign Language, Physical Education, English, Math, Social Studies, General Sciences, SPED, STEM or other certification) or free elective with advisor approval and choose one: Additional 3 hour course choose from EDE 3233 Teaching Literature at the Elementary and Middle Level or EDE 3343 Teaching Adolescent Literature or free elective with advisor approval.

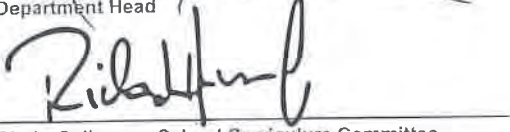
This change is required because the Mississippi Department of Education reduced the number of hours required for an endorsement area from 21 to 18. This change means that elementary education majors will only need 3 additional hours in two content areas.

Approved:

Date:


Department Head

8/31/2020


Chair, College or School Curriculum Committee

March 1, 2021


Dean of College or School

March 1, 2021

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

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.

1. CATALOG DESCRIPTION (In table)
2. CURRICULUM OUTLINE (In table)

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Science Major: Elementary Education Concentration: Early Childhood All elementary education majors receive certification to teach at the elementary preK-3 or preK-6) grade levels and additional endorsement in either early childhood or middle school content areas. The first two years of the degree program focus on developing subject matter knowledge in mathematics, English language arts, science, and social sciences. The junior year includes two mini-blocks of courses: one that emphasizes teaching at the early childhood levels (pre-K-3rd grade), and one that emphasizes teaching at the middle school levels (4th-8th grades). The senior year includes the senior methods block - four co-requisite courses with extensive field experiences that prepare graduates for the teaching of subject matter. The Elementary Education curriculum culminates in the teaching internship, a semester-long field experience in public schools. Students choose either a middle school concentration or an early childhood concentration. The middle school concentration leads to pre-K-6 general certification with 4 th - 8th grade subject area certification. The early childhood concentration leads to pre-K-3 general certification with N-1 (nursery- 1st grade) early childhood/ special education certification. Some students may wish to enroll in additional coursework to obtain licensure in elementary special education, reading, or other areas. See an advisor for more information.	Degree: B.S. Major: Elementary Education Concentration: Early Childhood All elementary education majors receive certification to teach at the elementary preK-3 or preK-6) grade levels and additional endorsement in either early childhood or middle school content areas. The first two years of the degree program focus on developing subject matter knowledge in mathematics, English language arts, science, and social sciences. The junior year includes two mini-blocks of courses: one that emphasizes teaching at the early childhood levels (pre-K-3rd grade), and one that emphasizes teaching at the middle school levels (4th-8th grades). The senior year includes the senior methods block - four co-requisite courses with extensive field experiences that prepare graduates for the teaching of subject matter. The Elementary Education curriculum culminates in the teaching internship, a semester-long field experience in public schools. Students choose either a middle school concentration or an early childhood concentration. The middle school concentration leads to pre-K-6 general certification with 4 th - 8th grade subject area certification. The early childhood concentration leads to pre-K-3 general certification with N-1 (nursery- 1st grade) early childhood/ special education certification. Some students may wish to enroll in additional coursework to obtain licensure in elementary special education, reading, or other areas. See an advisor for more information. The B.S. in Elementary Education with either a concentration in Early Childhood or Middle School requires 124 hours and a "C" or higher in all coursework.
CONCENTRATION DESCRIPTION Leads to K-3 general certification with N-1 (Nursery- 1 st grade) early childhood/special education certification. Students choosing the Early Childhood Education Concentration may obtain K-6 certification by taking, in addition to the K-3 requirements, EDE 3223 and any two of the following: 3 hours of English, 3 hours of math, 3 hours of social studies, and/or 3 hours of	CONCENTRATION DESCRIPTION Leads to K-3 general certification with N-1 (Nursery- 1 st grade) early childhood/special education certification. Students choosing the Early Childhood Education Concentration may obtain K-6 certification by taking, in addition to the K-3 requirements, EDE 3223 and any two of the following: 3 hours of English, 3 hours of math, 3 hours of social studies, and/or 3 hours of science.

science.			
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
English (Ex: EN 1103 English Comp I): EN 1003 English Comp I or EN 1173 EN 1113 English Comp II	6	English (Ex: EN 1103 English Comp I): EN 1003 English Comp I or EN 1173 EN 1113 English Comp II	6
Mathematics MA 1313 College Algebra MA 1413 Structure of the Real Number System MA 1423 Problem Solving with Real Numbers MA 1433 Informal Geometry and Measurement	12	Mathematics MA 1313 College Algebra MA 1413 Structure of the Real Number System MA 1423 Problem Solving with Real Numbers MA 1433 Informal Geometry and Measurement	12
Science (See General Education courses (must be lab-based courses))	6	Science (See General Education courses (must be lab-based courses))	6
Humanities Choose one of the following: HI 1063 Early U.S. History HI 1163 World History Before 1500 HI 1213 Early Western World Choose one of the following:	3 3	Humanities Choose one of the following: HI 1063 Early U.S. History HI 1163 World History Before 1500 HI 1213 Early Western World Choose one of the following:	3 3
Fine Arts See General Education courses	3	Fine Arts See General Education courses	3
Social Sciences GR 1123 Introduction to World Geography PS 1113 American Government or SO 1003 Introduction to Sociology or SO 1203 Sociology of Families	3 3	Social Sciences GR 1123 Introduction to World Geography PS 1113 American Government or SO 1003 Introduction to Sociology or SO 1203 Sociology of Families	3 3
Additional Core Natural Science Courses English Literature Elective (See General Education courses) English Grammar Elective or English course above EN 1113	6	Additional Core Natural Science Courses English Literature Elective (See General Education courses) English Grammar Elective or English course above EN 1113	6
Major Core Courses EDE 2521 Introduction to Elementary Education RDG 3113 Early Literacy Instruction I RDG 3123 Early Literacy Instruction II EDE 3123 Early Childhood	58	Major Core Courses EDE 2521 Introduction to Elementary Education RDG 3113 Early Literacy Instruction I RDG 3123 Early Literacy Instruction II EDE 3123 Early Childhood	58

Education <i>EDF 3423 Exploring Diversity Through Writing</i> EDX 3213 Individualizing Instruction for Exceptional Children RDG 3413 Middle Level Literacy I RDG 3423 Middle Level Literacy II EDE 3523 Foundations of Elementary and Middle Level Mathematics Education <i>EDF 3333 Social Foundations</i> EDE 4113 Teaching Elementary and Middle Level Science EDE 4123 Teaching Elementary and Middle Level Mathematics RDG 4133 Integrating Literacy Instruction into the Content Areas EDE 4143 Teaching Elementary and Middle Level Social Studies EDE 3443 Creative Arts for Elementary and Middle Levels EDE 4883 Managing the Elementary and Middle Level Classroom EDE 4886/4896 Elementary and Middle Teaching Internship		Education TECH 4763 Digital Tools for 21st Century Teaching and Learning EDX 3213 Individualizing Instruction for Exceptional Children RDG 3413 Middle Level Literacy I RDG 3423 Middle Level Literacy II EDE 3523 Foundations of Elementary and Middle Level Mathematics Education EPY 4103 Behavior Analysis for Behavior Technicians EDE 4113 Teaching Elementary and Middle Level Science EDE 4123 Teaching Elementary and Middle Level Mathematics RDG 4133 Integrating Literacy Instruction into the Content Areas EDE 4143 Teaching Elementary and Middle Level Social Studies EDE 3443 Creative Arts for Elementary and Middle Levels EDE 4883 Managing the Elementary and Middle Level Classroom EDE 4886/4896 Elementary and Middle Teaching Internship	
Concentration Courses <u>Early Childhood</u> HDFS 2803 Prenatal and Infant Development HDFS 2813 Child Development HDFS 3803 Creativity and Play in Young Children EDX 4113 Methods and Materials for Early Childhood Students with Disabilities EXD 4413 Working with Families or Students with Disabilities or HDFS 4803 Parenting	15	Concentration Courses <u>Early Childhood</u> HDFS 2803 Prenatal and Infant Development HDFS 2813 Child Development HDFS 3803 Creativity and Play in Young Children EDX 4113 Methods and Materials for Early Childhood Students with Disabilities EXD 4413 Working with Families or Students with Disabilities or HDFS 4803 Parenting	15
Total Hours	124	Total Hours	124

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: B.S. Major: Elementary Education Concentration: Middle School	Degree: B.S. Major: Elementary Education Concentration: Middle School

<p>All elementary education majors receive certification to teach at the elementary preK-3 or preK-6) grade levels and additional endorsement in either early childhood or middle school content areas. The first two years of the degree program focus on developing subject matter knowledge in mathematics, English language arts, science, and social sciences. The junior year includes two mini-blocks of courses: one that emphasizes teaching at the early childhood levels (pre-K-3rd grade), and one that emphasizes teaching at the middle school levels (4th-8th grades). The senior year includes the senior methods block - four co-requisite courses with extensive field experiences that prepare graduates for the teaching of subject matter. The Elementary Education curriculum culminates in the teaching internship, a semester-long field experience in public schools. Students choose either a middle school concentration or an early childhood concentration. The middle school concentration leads to pre-K-6 general certification with 4th- 8th grade subject area certification. The early childhood concentration leads to pre-K-3 general certification with N-1 (nursery- 1st grade) early childhood/ special education certification. Some students may wish to enroll in additional coursework to obtain licensure in elementary special education, reading, or other areas. See an advisor for more information.</p>		<p>All elementary education majors receive certification to teach at the elementary preK-3 or preK-6) grade levels and additional endorsement in either early childhood or middle school content areas. The first two years of the degree program focus on developing subject matter knowledge in mathematics, English language arts, science, and social sciences. The junior year includes two mini-blocks of courses: one that emphasizes teaching at the early childhood levels (pre-K-3rd grade), and one that emphasizes teaching at the middle school levels (4th-8th grades). The senior year includes the senior methods block - four co-requisite courses with extensive field experiences that prepare graduates for the teaching of subject matter. The Elementary Education curriculum culminates in the teaching internship, a semester-long field experience in public schools. Students choose either a middle school concentration or an early childhood concentration. The middle school concentration leads to pre-K-6 general certification with 4th- 8th grade subject area certification. The early childhood concentration leads to pre-K-3 general certification with N-1 (nursery- 1st grade) early childhood/ special education certification. Some students may wish to enroll in additional coursework to obtain licensure in elementary special education, reading, or other areas. See an advisor for more information.</p> <p>The B.S. in Elementary Education with either a concentration in Early Childhood or Middle School requires 124 hours and a "C" or higher in all coursework.</p>	
<p>CONCENTRATION DESCRIPTION Leads to K-6 general certification with 4th- 8th grade subject area certification.</p>		<p>CONCENTRATION DESCRIPTION Leads to K-6 general certification with 4th- 8th grade subject area certification.</p>	
<p>CURRENT CURRICULUM OUTLINE</p>	<p>Required Hours</p>	<p>PROPOSED CURRICULUM OUTLINE</p>	<p>Required Hours</p>
<p>Major Core Courses: EDE 2521 Introduction to Elementary Education RDG 3113 Early Literacy Instruction I RDG 3123 Early Literacy Instruction II EDE 3123 Early Childhood Education <i>EDF 3423 Exploring Diversity Through Writing</i> EDX 3213 Individualizing Instruction for Exceptional Children RDG 3413 Middle Level Literacy I RDG 3423 Middle Level Literacy II EDE 3223 Middle Level Education (early childhood concentration, see advisor) EDE 3523 Foundations of Elementary and Middle Level Mathematics Education <i>EDF 3333 Social Foundations</i></p>	<p>61</p>	<p>Major Core Courses: EDE 2521 Introduction to Elementary Education RDG 3113 Early Literacy Instruction I RDG 3123 Early Literacy Instruction II EDE 3123 Early Childhood Education TECH 4763 Digital Tools for 21st Century Teaching and Learning EDX 3213 Individualizing Instruction for Exceptional Children RDG 3413 Middle Level Literacy I RDG 3423 Middle Level Literacy II EDE 3223 Middle Level Education (early childhood concentration, see advisor) EDE 3523 Foundations of Elementary and Middle Level Mathematics Education EPY 4103 Behavior Analysis for</p>	<p>61</p>

EDE 4113 Teaching Elementary and Middle Level Science EDE 4123 Teaching Elementary and Middle Level Mathematics RDG 4133 Integrating Literacy Instruction into the Content Areas EDE 4143 Teaching Elementary and Middle Level Social Studies EDE 3443 Creative Arts for Elementary and Middle Levels EDE 4883 Managing the Elementary and Middle Level Classroom EDE 4886/4896 Elementary and Middle Teaching Internship		Behavior Technicians EDE 4113 Teaching Elementary and Middle Level Science EDE 4123 Teaching Elementary and Middle Level Mathematics RDG 4133 Integrating Literacy Instruction into the Content Areas EDE 4143 Teaching Elementary and Middle Level Social Studies EDE 3443 Creative Arts for Elementary and Middle Levels EDE 4883 Managing the Elementary and Middle Level Classroom EDE 4886/4896 Elementary and Middle Teaching Internship	
Concentration Courses EDE 3223 Middle Level Education <i>Twelve hours certification endorsement area electives</i> <i>Two 21-hour endorsement areas required. See advisor.</i>	21	Concentration Courses EDE 3223 Middle Level Education Six hours certification endorsement area electives Two 18-hour endorsement areas required. See advisor.	15
		Elementary Electives for Middle School Concentration Two three-hour elementary electives See Advisor.	6
Total Hours	123	Total Hours	124

3. JUSTIFICATION AND STUDENT OUTCOMES

A. Justification

Over the last few years, the Elementary Education faculty have completed a self-study of the Elementary Education program in order to ensure that we are preparing our preservice teachers to be equipped with the best knowledge and pedagogy that we possibly can. For example, we have conducted surveys in our methods coursework on their technology knowledge and their knowledge of classroom management. We have also examined the level of writing intensity in our literacy coursework from early to senior block. In addition to our own self-study of our individual methods coursework, we have also collected data from graduates of the program as well as current internship students who complete an exit survey about the overall Elementary Education program at the end of internship. After analyzing the data, we found two findings. Our students wish that the program had 1) a bigger emphasis on integrating technology into the classroom, and 2) more classroom management courses especially with diverse student populations. Thus, as a program area we have decided that our students will be better served to meet the needs of all students in Mississippi and beyond if we added a technology class to the curriculum as well as another management course that came earlier in the program. Thus, after reviewing course syllabi on the College of Education website as well as the MSU Undergraduate catalogue, we came to the conclusion that we needed to modify our program to add TKT 4763 Digital Tools for 21st Century Teaching and Learning and EPY 4103 Behavior Analysis for Behavior Technicians to the program of study. EPY 4103 is based on the Registered Behavior Technician (RBT) Task List and is designed to meet the minimum 40 hours training requirement for the RBT certification. Many schools are moving to hiring RBT and training their teachers in RBT and this training will

improve employability and the ability of our graduates to be effective teachers in Mississippi schools.

Applies only to Middle School Concentration:

In Spring 2020, the Mississippi Department of Education (MDE) reduced the number of required courses for a content area endorsement from 21 hours to 18 hours. Currently, elementary education majors complete 12 hours of course work in English, Mathematics, Social Sciences, and Natural Sciences as a part of the degree program and the University Core. Elementary education majors in the middle school concentration take two additional courses (6 hours) in two areas. The MDE reduction in hours for a content area endorsement means that our students only need one additional course (3 hours) in two areas. To replace the 6 hours no longer required in the middle school endorsement area, we are adding two electives. To replace the first class we are allowing students to select an elective that will lead to an additional content area endorsement (math, general science, social studies, English) or an add-on certification offered at MSU and awarded by MDE. To replace the second class, we are allowing students an elementary education elective. They can select from EDE 3343 and EDE 3233 or select another education course not required in the degree program as an elective or other free elective with approval of their advisor. This will allow students to work towards additional endorsement areas in a content area or other add on certification enhancing their employability and their ability to be an effective classroom teacher.

The program modification applies to all campuses (1, 2, 5). Students must be enrolled in Phase II (Teacher Education) of the program and elementary education majors.

1. This program change will not alter how we meet local, state, regional, and national educational and cultural needs.
2. This program change will not result in duplication in the System.
3. This program change will not advance student diversity within the discipline.
4. This program change will result in an increase in the potential placement of graduates.
5. The program change will not result in an increase in the potential salaries of graduates.

4. SUPPORT- See attached letters of support.

5. PROPOSED 4-LETTER ABBREVIATION: ELED.

6. Effective Date- August 2021.



MISSISSIPPI STATE
UNIVERSITY

COLLEGE OF EDUCATION
Department of Curriculum, Instruction,
and Special Education
P.O. Box 9705
175 President's Circle
Allen Hall, Room 310
Mississippi State, MS 39762
P. 662.325.3523
F. 662.325.7857
cise.msstate.edu

5 October 2020

UCCC
Mississippi State University

Dear UCCC,

The faculty of the Department of Curriculum, Instruction, and Special Education supports the degree modification as outlined in the UCCC proposal.

In April 2020, the Mississippi Department of Education reduced the number of hours required for elementary education majors to earn an endorsement in a content area from 21 to 18 hours. The elementary faculty modified the degree program to address this MDE change.

Additionally, the Elementary Education faculty conducted a self-study over the past few years and identified two areas where we needed modify to improve the program. To address these areas, the faculty added two additional courses and deleted two as described in the UCCC proposal.

The elementary faculty members have signed below indicating their program area faculty support for this degree modification.

Kathleen M. Alley

Kathleen Alley, Ph.D.
Associate Professor

KENNETH V
ANTHONY

Digitally signed by KENNETH
V ANTHONY
Date: 2020.10.06 13:14:46
-05'00'

Kenneth V. Anthony, Ph.D.
Associate Professor and Elementary Education Undergraduate Coordinator
kva3@msstate.edu

Tiffany Atterberry
Tiffany Atterberry
Instructor

Stephanie M. Lemley

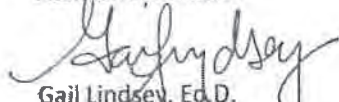
Stephanie Lemley, Ph.D.
Associate Professor

Michelle Gaither Digitally signed by Michelle Gaither
Date: 2020.10.08 16:03:26 -05'00'

Michelle Gaither
Instructor/Coordinator

Kristin Javorsky Digitally signed by Kristin
Javorsky
Date: 2020.10.08 08:31:32 -05'00'

Kristin Javorsky, Ph.D.
Assistant Professor


Gail Lindsey, Ed.D.
Assistant Clinical Professor

Nicole Miller Digitally signed by Nicole Miller
Date: 2020.10.08 11:22:51 -05'00'

Nicole Miller, Ph.D.
Associate Professor

Sarah Parker Digitally signed by Sarah Parker
Date: 2020.10.08 14:42:30
-05'00'

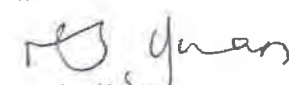
Sarah Parker
Instructor

Rebecca Robichaux-Davis Digitally signed by Rebecca Robichaux-Davis
Date: 2020.10.08 15:01:40 -05'00'

Rebecca Robichaux-Davis, Ph.D.
Professor & Elementary Education Graduate Coordinator

Kim Smith Digitally signed by Kim Smith
Date: 2020.10.08 18:08:07 -05'00'

Kim Smith
Instructor


Ruiping Yuan
Instructor



**MISSISSIPPI STATE
UNIVERSITY**

Department of Counseling,
Educational Psychology, and Foundations

Mailstop 9727
175 President Circle
508 Allen Hall
Mississippi State, MS 39762
P 662 325 3426
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cep@state.edu

March 27, 2020

Dear UCCC,

The Department of Counseling, Educational Psychology and Foundations supports the Elementary Education program modification that includes a course addition and two course deletions of courses taught in our department from their program requirements.

I am in support of modifying the degree program as described in the degree modification program for the reasons outlined in the justification section of the degree program modification. The Department of Counseling, Educational Psychology and Foundations supports the deletion of the following courses from Elementary Education's Campus, 1, 2, and 5 programs:

1. EDF 3333 Social Foundations and
2. EDF 3423 Exploring Diversity Through Writing

The Department of Counseling, Educational Psychology and Foundations supports the addition of the following course in Elementary Education's Campus 1, 2, and 5 programs:

1. EPY 4103 Behavior Analysis for Behavior Technicians

Based on these modifications, the Department of Counseling, Educational Psychology and Foundations can support the additional students from Elementary Education taking Department of Counseling, Educational Psychology and Foundations. The deletion of the two courses will not adversely affect the department, as these additional sections of these two courses for CISE are taught by lecturers, not any of our full time faculty or instructors.

Best,

Daniel L. Gadke (Signature of Daniel L. Gadke)
Date: 3/27/2020 05:00

Daniel Gadke, Ph.D.
Department Head
Associate Professor

Dear Dr. Anthony and Dr. Jayroe,

November 2, 2020

Our faculty have expressed the following support or non support for the TECH 4763/6763 educational technology course being included in the elementary education degree program. This course has been updated by Dr. Gregory M. Francom, Dr. Beriswill and Dr. Bracey to focus on the needs of elementary education majors.

Respectfully,
Gregory M. Francom
259 Industrial Education Building
Mississippi State, MS 39762
P: 662.325.7499

Name	Support	Do not support
Adams, James	x	
Beriswill, Joanne	x	
Bracey, Pamela	x	
Francom, Greg	x	
Lee, Sang Joon	x	
Okojie, Mabel	x	
Sun, Yan	x	
Yu, Chien	x	
Yu, Wei-Chieh	x	




MISSISSIPPI
DEPARTMENT OF
EDUCATION

Ensuring a bright future for every child

Cory M. Murphy, Ph.D.
Executive Director, Office Teaching and Leading

MEMORANDUM

To: Local Superintendents of Education, Officials of Eligible Non-public Schools, and All Other Education Stakeholders

From: Dr. Cory M. Murphy, Executive Director 
Office of Teaching and Leading

Date: Monday, February 24, 2020

Subject: Coursework Credit hours required for adding a supplemental endorsement to a three-year alternate route or five-year standard license adjusting from twenty-one (21) hours to eighteen (18) hours of coursework

As a result of a recent review of requirements related to add-on certification (supplemental endorsement) by coursework, the Division of Educator Licensure recommended to the State Board of Education (SBE) a modification to the number of coursework credit hours required for adding a supplemental endorsement to a valid three-year or five-year license from twenty-one (21) coursework credit hours to eighteen (18) coursework credit hours. On December 19, 2019, the SBE granted final approval to modify the number of coursework credit hours required for adding a supplemental endorsement to a valid three-year or five-year Mississippi educator license. This memorandum serves as official notice of the policy change.

The approval of this modification aligns to the most common number of coursework credit hours required to earn a concentration in a subject area when earning a baccalaureate degree. One example of immediate impact resulting from this change is that it allows Mississippi teacher preparation program completers, specifically, in the area of Elementary Education, to receive a teaching license in Elementary Education in addition to other areas of concentration that he/she has successfully earned a grade of "C" or higher on eighteen (18) hours of acceptable coursework in a subject area allowable under current licensure guidelines for *"Supplemental Endorsements that may be Added to a Three-Year or Five-Year License with Eighteen (18) Hours of Coursework in Subject Area"*. This change also applies to other related licensure guidelines listing twenty-one (21) coursework credit hours as one criterion and will be adjusted to reflect the new eighteen (18) coursework credit hours requirement to align with this policy.

Please note, this policy revision does not impact supplemental endorsements added by the approved program route, such as Mathematics 7-12. Guidelines for Mississippi Educator Licensure K-12 may be accessed via the following web link: <https://www.mdek12.org/OTL/OEL/K12>.

Central High School Building
359 North West Street
P.O. Box 771
Jackson, MS 39205-0771

Phone (601) 359-3483
Fax (601) 359-2778

www.mde.k12.ms.us

The Office of Teaching and Leading, Division of Educator Licensure will continue to review all guidelines pertaining to the issuance of an educator license to ensure that each requirement remains necessary and relevant to the contextual framework of present day and ensures consistency in requirements across all pathways to licensure.

Please assist us by disseminating this communication and/or orally sharing the contents of this memorandum to all prospective and practicing educators. Please do not hesitate to contact a member of the Educator Licensure team for assistance via telephone at (601) 359-3483. We value and appreciate the opportunity to serve you.

Attachment

c: Dr. Paula A. Vanderford

**APPENDIX A:
SUPPLEMENTAL ENDORSEMENTS ADDED TO A VALID MISSISSIPPI LICENSE
(CONTINUED)**

Supplemental Endorsements that may be Added to a Three-Year or Five-Year License with Eighteen
(18) Twenty-One (21) Hours of Coursework in Subject Area
(Coursework must have an earned grade of “C” or higher)

CODE AREA

102	Art Education (K-12)
104	Bible (7-12)
105	Business Education (7-12)
119	English (7-12)
123	Drama (Performing Arts) (K-12)
130	French (7-12)
132	Chinese (Mandarin) (K-12)
134	German (7-12)
135	Latin (7-12)
136	Italian (7-12)
139	Russian (7-12)
140	Spanish (7-12)
144	Physical Education (K-12)
149	Journalism (7-12)
165	Music Education Instrumental (K-12)
166	Music Education Vocal (K-12)
171	Psychology (7-12)
181	Biology (7-12)
185	Chemistry (7-12)
188	General Science (7-12)
189	Physics (7-12)
192	Social Studies (7-12)
193	Economics (7-12)
196	Speech Communications (7-12)
302	Agriculture (7-12)
318	Marketing (7-12)
322	Home Economics (7-12)

The following may also be added by completion of MDE-approved Math & Science Partnerships

Added to Elementary or Special Education licenses only:

901 or 905 Math (7-8)

904 or 908 Science (7-8)

Advanced Placement endorsements are added by completion of College Board Approved AP Training
(see Appendix E for list)

405 and 411 are academic endorsements that are added by completion of special CTE requirements

Added by completion of MDE Approved Early Childhood Specialized Training

122 Pre-Kindergarten add-on endorsement can only be added to a valid Elementary Education (116, 152, or 120) or select Special Education (221, 222, or 223) licenses that includes Kindergarten by completion of the MDE Approved Early Childhood Specialized Training

**OFFICE OF CHIEF ACCOUNTABILITY OFFICER
Summary of State Board of Education Agenda Item
Consent Agenda
October 15, 2020**

OFFICE OF TEACHING AND LEADING

- F. Approval of educator preparation programs as recommended by the Commission on Teacher and Administrator Education, Certification, and Licensure and Development September 11, 2020

Background Information: On September 11, 2020, the Commission on Teacher and Administrator Education, Certification, and Licensure and Development granted approval to establish new and modify existing educator licensure preparation programs as presented by select Mississippi institutions of higher education. Full documents pertaining to each program are available upon request. The Office of Teaching and Leading is requesting consideration for approval of the following program proposals presented on the attached chart.

Recommendation: Approval

Back-up material attached

PROGRAM PROPOSAL REQUESTS
SPRING 2021 IMPLEMENTATION

<u>INSTITUTION</u>	<u>NEW/MODIFICATION</u>	<u>DESCRIPTION</u>	<u>RECOMMENDATION</u>
Agenda Item VIII: Mississippi State University	Modification	Modify its existing Elementary Education Program by adding TECH 4763 Digital Tools for 21 st Century Teaching and Learning and EPY 4103 Behavior Analysis for Behavior Technicians and removing EDF 333 Social Foundations and EDF 3423 Exploring Diversity Through Writing. (Dr. Kenneth Anthony/ Dr. Donna Shea)	Approval
Agenda Item IX: Mississippi State University	Modification	Modifications to its existing Elementary Education Program/ Middle School Concentration, by removing two (2) three- hour content courses and replacing them with a three- hour elementary education elective and choice between EDE 3343 Teaching Adolescent Literature and EDE 3233 Teaching Literature at the Elementary and Middle Level or another education course not required in the degree (Dr. Kenneth Anthony/ Dr. Donna Shea)	Approval
Agenda Item X: Tougaloo College	Modification	Modifications to its existing Elementary Education Program by removing four (4) courses; EDU 221 Foundations of Education, EDU 335 Methods, Materials & Technology, EDU 421 Curriculum Research, and ELA 351 Methods of Teaching Language Arts; modifying course titles within the curriculum; and cross-listing EDU 252 with EDU 252/SPED 252 Classroom Management and Behavioral Intervention with reduction of hours from 148 to 138 (Dr. Thea Williams-Black)	Approval
Agenda Item XI: University of Southern Mississippi	Modification	Modify its existing World Languages program by removing REF 400 Foundation of Education thus making a reduction in hours from 124 to 120 (Dr. Noal Cochran)	Approval
Agenda Item XII: University of Southern Mississippi	Modification	Modify its existing Elementary Education program by reducing the number of hours from 124 to 121 (Dr. Noal Cochran)	Approval
Agenda Item XIII: William Carey University	New	Implementation of a new 12-hour STEM Supplemental Endorsement Program (983) approved coursework for pre-service students and graduate level teachers in Elementary & Secondary Education (Dr. Katie Tonore)	Approval

Minutes of Mississippi Board of Education Meeting

October 15, 2020

The members of the Mississippi Board of Education met in a regularly scheduled Board meeting at 10:00 a.m. on Thursday, October 15, 2020, via teleconference and video means pursuant to Miss. Code Ann. § 25-41-5 for the purpose of conducting the Board meeting.

The meeting was available to the public by live stream.¹ Board members present: Ms. Rosemary G. Aultman (Central High School, 4th Floor Boardroom, Jackson, Mississippi), Dr. Angela Bass (Central High School, 4th Floor Boardroom, Jackson, Mississippi), Dr. Jason S. Dean (Central High School, 4th Floor Boardroom, Jackson, Mississippi), Dr. Karen J. Elam (Central High School, 4th Floor Boardroom, Jackson, Mississippi), and Mr. Glen East (Ellisville, Mississippi). Student Representatives: Mr. Omar G. Jamil (Hernando, Mississippi) and Ms. Amy Zhang (Starkville, Mississippi). Dr. Carey M. Wright was present at Central High School, 4th Floor Boardroom, Jackson, Mississippi. Board member absent: Dr. John R. Kelly.

I. Dr. Jason S. Dean called the Board meeting to order at 10:06 a.m.

Dr. Dean noted that the meeting of the Board of Education was being held via teleconference and video means pursuant to Miss. Code Ann. § 25-41-5 and that the notice of this meeting included the date, time, place, and purpose of the meeting. Dr. Dean also stated that an audio recording was being made of the meeting, this meeting is being live streamed and that a quorum of the Board existed at the locations stated for the purpose of conducting a meeting through teleconference and video means.

II. Dr. Jason S. Dean led the Pledge of Allegiance and Ms. Rosemary G. Aultman gave the Invocation.

III. On a motion by Dr. Karen J. Elam, seconded by Ms. Rosemary G. Aultman, the Board voted unanimously to approve the September 24, 2020, Board meeting minutes.

IV. On a motion by Ms. Rosemary G. Aultman, seconded by Dr. Karen J. Elam, the Board voted unanimously to approve the agenda as presented.

V. Dr. Carey M. Wright gave the following report as the State Superintendent of Education:

¹ Due to the impact of COVID-19 (coronavirus) and the recommendations of the CDC and the Mississippi Department of Health, gatherings should be restricted to no more than 10 people. To protect the public health, the State Board of Education met via teleconference and video means and the meeting was available to the public via video means (live stream). The SBE exercised their authority granted by the Governor in his Proclamation of a State of Emergency. See Miss. Code Ann. § 33-15-31.

- Dr. Wright stated that the National Assessment Governing Board continues to meet since the National Assessment of Educational Progress (NAEP) is scheduled to be administered in spring of 2021 but not sure if it will be a full scaled NAEP. Dr. Wright stated that she will keep the Board posted.
- Dr. Wright stated that she met with the Teacher's Advisory Council which has about 400 members and it was a positive meeting. Dr. Wright stated they are thrilled about getting new devices, connectivity, and professional development.
- Dr. Wright stated the Regional Educational Laboratory (REL) Southeast Governing Board met, she is the Vice-Chair, and the discussion was on the different pieces of research that Florida State University is producing. Dr. Wright stated they produce a lot of research for the states that are a part of the REL Southeast and that is a good place to go to get the latest information.
- Dr. Wright stated the Science of Learning and Development of the National Advisory Committee met and talked about future actions around the science of learning and development and what could be done as a national advisory group to advise other states in the nation.
- Dr. Wright stated that she had two interviews. Dr. Wright stated that she was on the Paul Gallo Radio Show where they discussed Mississippi Connects and she was interviewed by Education Week who wanted to know the status of Mississippi's reopening and any other future projects that should be looked at as the year proceeds.
- Dr. Wright stated that she had three different presentations this past month: (1) the Children's Foundation of Mississippi with the focus on early childhood; (2) MDE held a virtual meeting with Kentucky with everybody from K-12, institutions of higher learning, and legislators and their whole focus was how does Kentucky get to where MS is and what was the overall pre-K through grade three strategy; and (3) a webinar for Council of Chief State School Officers (CCSSO) where discussions surrounded accountability and what would accountability look like across the nation this year. Dr. Wright stated they had assessment on the first day and accountability on the second day.
- Dr. Wright introduced Mr. John Kraman to give an update on Mississippi Connects. Mr. Kraman stated that they have been putting out information on Mississippi Connects and the Senate Bill 3044 which is the devices, software, and professional development. Mr. Kraman stated that they have released information around the House Bill 1788 which is the connectivity money and my team and Dr. Gavin's team have been working with districts to get that information out. Mr. Kraman stated that the allocations have been distributed to the public schools, private schools, and the Choctaw tribal schools. Mr. Kraman stated that they have been working with Mr. Pete Smith's team regarding communications not only with media and legislators who have been very excited to go to schools in their districts where the devices have been arriving. Mr. Kraman stated they are

communicating right now about a truck that is on its way to Canton and the legislators are there awaiting the arrival of the devices. Mr. Kraman stated they have been putting a lot of information out on the Mississippi Connects web page including the webinar today about the statewide filter that has been put up for this program so that all districts can put any devices purchased through this program and the devices they already have so all traffic can be protected to keep the students safe online. Mr. Kraman stated the big news is the deliveries. Mr. Kraman gave an update on the deliveries from CDW-G (Chromebooks and Windows laptops) and Apple products (MacBooks and iPads). Mr. Kraman stated that all but about seven percent of the Chromebooks are in the United States. Mr. Kraman stated that 205,000 Chromebooks were ordered and over 136,000 are in the United States and already have delivered 55,000 units. Mr. Kraman stated that on the Windows laptops there are a total of 65,000 and we have a little over 60 percent of these and the remaining devices are on their way and should be here in a couple of weeks. Mr. Kraman stated that 50,000 Apple products were ordered and about half of these are in the United States now and the other devices should arrive soon. Mr. Kraman stated that after next week twenty percent will be delivered to the districts. Mr. Kraman stated that the devices come in and must be enrolled in the various software solutions. Mr. Kraman stated that the contract delivery date is November 20, 2020, but he is hoping that most devices will be delivered by end of October or first of November. Mr. Kraman stated the reimbursement deadline is December 1, 2020. Mr. Kraman stated that Apple updated the iPads that were ordered to the latest versions, with no paperwork from MDE. Mr. Kraman stated that he and Mr. Pete Smith, Chairman Bennett and several members of the House visited the warehouse and they got to see and put their hands on the devices that are slated for the districts in which they represent. Mr. Kraman stated they had a chance to walk through the operation and interact with the senior executives from TIG which is a partner company with CDW-G to manage the last mile of the configuration. Mr. Kraman stated that senior leadership has come to Mississippi and set up shop to make sure we are maximizing our efficiency and are trying to get to 10,000 units processed a day. Mr. Kraman stated that they have thought through everything so that when the devices arrive at the schools, they are ready to be used.

Dr. Dean asked that when the devices are delivered to make it a big deal with the media on the steps of the Capitol. Dr. Dean asked Mr. Glen East to give an update about how this program is being received and are there any issues that need to be addressed. Mr. East stated that everyone was excited about getting the devices and getting them set up. Mr. East stated that they like the early deadline and they have done an outstanding job getting this process in place as quickly as possible. Mr. East stated that the superintendents outside of Mississippi have said that Mississippi is ahead of many of them so thank you for that work and the paperwork as well. Mr.

East stated kudos to that Department. Dr. Dean stated that when Jackson Public Schools are to receive their devices to please invite the Board and legislators to the delivery.

- Dr. Wright introduced Ms. Patricia Guilfoyle to give an update on the work done on the Mississippi Connects Family Training and Resources digital learning plan. Ms. Guilfoyle stated that the work was done in collaboration with Ms. Corie Jones and Ms. Jean Cook in the Office of Communications and Government Relations and Ms. Melissa Banks in the Office of Academic Education. Ms. Guilfoyle stated that one of the benefits of the Mississippi Connects initiative is the professional development for teachers, families, and school staff to support device and Internet usage at home and in school provides needed support for success. Ms. Guilfoyle stated that family was chosen instead of parents because it includes parents, caregivers, grandparents, and other relatives that assist students. Ms. Guilfoyle stated the districts have been provided the tools to host a virtual family night to introduce those resources to the family on a local level. Ms. Guilfoyle stated a web page has been created for families to find general information about this initiative along with resources, tips, and videos. Ms. Guilfoyle stated that in the tool kit there is a sample agenda and it is like a meeting in a box including a PowerPoint framework, videos, and social media posts to promote the virtual meeting. Ms. Guilfoyle showed a tip sheet for supporting student learning at home. Ms. Guilfoyle showed a virtual training video for families with tips of how to help their children at home.
- Dr. Wright recognized Dr. Jason S. Dean for being selected as one of the Top 50 Most Influential in Mississippi for 2020. Dr. Wright congratulated him on this recognition.
- Dr. Wright stated the Spotlight for this Board meeting is "Mississippi Connects". Dr. Wright stated that this video was created to tell the first chapter of the Mississippi Connects story and to give you a behind-the-scenes look at all the logistics and coordination that has gone into the first phase of device deliveries. Dr. Wright stated that by the end of this week, more than 46,000 laptops will have been delivered to Mississippi school districts, and about 300,000 more are being prepped for delivery as we speak. Dr. Wright stated that this has truly been an all-hands-on-deck effort. Dr. Wright stated you will see in this video why this project is so important to the students and teachers of Mississippi.

VI. Dr. Jason S. Dean, Chair of the State Board, gave the following report.

- Dr. Dean welcomed the two new Board members, Dr. Angela Bass and Mr. Glen East. Dr. Dean gave them an opportunity to introduce themselves to the Board. Dr. Bass stated that she is a native Mississippian and she is from Tunica County and attended high school in DeSoto County. Dr. Bass stated she currently lives in Jackson. Dr. Bass stated she has been a teacher in both Tunica and DeSoto County School Districts. Dr. Bass stated

she was an administrator in Memphis, Tennessee. Dr. Bass stated that she had served as Policy Director at Mississippi First. Dr. Bass is currently Executive Director of Mississippi Early Learning Alliance and she stated that she has a great passion and is an advocate for early education. Dr. Bass stated that she has two small children, one a four-year-old and the other one is in the second grade at Jackson Public Schools. Dr. Bass stated that she is excited to be a Board member. Mr. Glen East stated that he grew up in south Mississippi and he attended Meridian Public Schools, Hattiesburg Public Schools, and Gulfport Public Schools. Mr. East stated that he graduated from Gulfport High School and graduated from Millsaps College and the University of Southern Mississippi. Mr. East stated that he brought the Career Pathways into the state and it is great to be working with a team of individuals in Gulfport that have worked to get these initiatives off the ground and move forward. Mr. East stated that he was glad to be a Board member and thanked the Governor for the appointment. Mr. East stated you will learn that after everything we do, I will ask the final question "is this best for children"? Mr. East stated that these are his watch words and he is looking forward to working with the Board on the strategic plan and helping grow the state's education.

- Dr. Dean read an e-mail from Ms. Paula Brown, a teacher from Water Valley High School, who thanked him and the Board for their guidance during this time. Dr. Dean stated that Ms. Brown asked the he give a gold star to her principal, Mr. Drew Pitcock, at Water Valley High School for his true leadership during this time for her and the other staff. Dr. Dean stated that this is what it is all about and this is what our folks are going through.

VII. Report of Student Representatives

Mr. Omar G. Jamil stated that he has been talking to his school and other schools across the state and that the Board needs to let schools and counties know that it is not an embarrassment nor is it a failure on their part if a school must go virtual if they have been going traditional for the time being. Mr. Jamil stated that the teachers and students are doing great, but the stress is starting to build up. Mr. Jamil stated that the mental health aspect is starting to build up with the work loads that are starting to increase with having to deal with either virtual and traditional or just traditional or virtual. Mr. Jamil stated that he wants the schools to know that it is okay to go back to virtual if you are still in school for the time being. Mr. Jamil stated that the teachers and students are buckling under the weight with the struggles that they have been going through, but if the State Board can just let everyone know that what we are doing as teachers, students, and administrators is amazing but just knowing that at a certain point going back to virtual is an option even if only for two or three weeks. Mr. Jamil stated that the work of the State Board has been phenomenal with delivering iPads and computers to every student or will be delivered to every student soon. Mr. Jamil stated that the services provided by the State Board and by the

companies of the State Board to get people adjusted to virtual with these learning opportunities has been doing great. Mr. Jamil stated that the only thing he noticed still is the mental health aspects which also comes from stress outside of school but a lot of it comes from stress in school. Mr. Jamil stated that just letting schools know that going back to virtual and communicating with the teachers and students what they believe to be the best outlook and future for the school even if less than a month that is really important.

Dr. Dean stated that on the Consent Agenda today is an item to move forward with the Social Emotional Learning Standards. Dr. Wright stated that MDE is continuing to work with the medical professionals to expand the telehealth and teletherapy and this is ongoing.

Ms. Amy Zhang stated that expanding on what Mr. Jamil said about mental health so it is especially relative right now because of COVID besides the fact that we need to show interaction in order to thrive it is also harder for teachers and counselors to check on people when they are behind a screen or a mask. Ms. Zhang stated that many of her friends and classmates have struggled with adjusting not just through lifestyle but also their mindset during this pandemic. Ms. Zhang stated that many people that she has talked to including Mississippi School for Mathematics and Science (MSMS) students from all over the state of Mississippi have said that online school has taken a toll on their mental health. Ms. Zhang stated that isolation because of COVID can cause and exacerbate many mental health problems especially with COVID when we experiment with finding the right balance of classwork, homework, and free time and not giving students enough time for ourselves can make us feel even overwhelmed and alone. Ms. Zhang stated that the counselors and teachers at MSMS and residential staff know about our struggles and are even making efforts to reach out and connect with us online which we all appreciate, but sometimes it seems there are too many students and not enough faculty even without COVID there is still a problem with not keeping up with every student consecutively. Ms. Zhang stated that from what she has read about the MDE policies for academic school counselors and support services the focus on the teacher facility side seems to be on training teachers and she thinks that is necessary but she also thinks that too much training can shift a teachers time and energy away from the education which should be their overall goal. Ms. Zhang stated that not all students have a teacher that they can trust and they can confide in. Ms. Zhang stated that she has researched and found out there are organizations like Counseling Today in colleges in Georgia State University and the University of Massachusetts that recommend that counselors have more responsibility on checking in with students; however, school counselors can be busy with other responsibilities like helping with college applications, they also recommend that schools with enough resources hire mental health counselors. Ms. Zhang stated that they can focus on mental health while school counselors can work on other responsibilities. Ms. Zhang stated that not all schools can do this but those that can help build

stronger relations and trust between mental health counselors and students. Ms. Zhang stated that something else she checked upon goes back to an earlier report about training parents to help their students as well to check in on their child's wellness and mental health and she agrees that it is very important and she is glad that the Board recognizes that as well. Ms. Zhang stated that even though COVID has taken a toll on the mental health of some students we know that teachers and counselors are trying their best to help us through it and we are frequently reminded that we are not alone to reach out if we ever need help. Ms. Zhang stated that she likes that the MSMS counselors are checking in on students one on one and she really appreciated that. Ms. Zhang stated that if MSMS had a mental health counselor they could check in on students more frequently but she knows that might not be possible right now. Ms. Zhang stated that teachers and counselors are trying their best under these circumstances and the interactions that we get from them is critical for having a sense of community, having people support you, and keeping our mental health afloat.

VIII. There were no reports on State Board of Education Subcommittee meetings.

IX. Discussion and/or Approval of Board Items

01. Information: Introduction to Mississippi Connects Professional Development for 1:1 Deployment [Goals 1, 2, 3, 4, 5, and 6 – MBE Strategic Plan] (Nathan Oakley)

Dr. Nathan Oakley presented information on the Introduction to the Mississippi Connects Professional Development for 1:1 Deployment.

02. Action: Approval of the MDE Contracts [Goals 1, 2, 3, 5, and 6 – MBE Strategic Plan] (Felicia Gavin)

02.A. Action: Contract with GCR, Inc., to provide maintenance and support to the Division of Purchasing and Food Distribution Automated Food Purchasing System (APS) [Goal 1 – MBE Strategic Plan] (Felicia Gavin)

02.B. Action: Contract with Hanover Research Council, LLC to provide proprietary research information for education [Goal 5 – MBE Strategic Plan] (Nathan Oakley)

02.C. Action: Approval of Pupil Transportation Equipment Bids [Goals 1, 2, and 3 – MBE Strategic Plan] (Paula Vanderford)

02.D. Action: Renew contract with The National Center for the Improvement of Educational Assessment, Inc. for the Fiscal Year 2021 for the Mississippi Technical Advisory Committee (TAC) for

Statewide Assessment and Accountability [Goals 1, 5, and 6 – MBE Strategic Plan] (Paula Vanderford)

On a motion by Ms. Rosemary G. Aultman, seconded by Dr. Karen J. Elam, the Board unanimously approved items 02.A., 02.B., 02.C., and 02.D. (copy attached).

03. Action: Approval of the MDE grant awards [Goals 1 and 2 – MBE Strategic Plan] (Felicia Gavin)

- 03.A. Action: Approval of grant awards for the School Nurse Intervention Grants, as identified in the Mary Kirkpatrick-Haskell, Mary Sprayberry School Nurse Program, Miss. Code Ann. § 37-14-3 and funded by legislative appropriation [Goals 1 and 2 – MBE Strategic Plan] (Felicia Gavin)

On a motion by Dr. Karen J. Elam, seconded by Ms. Rosemary G. Aultman, the Board unanimously approved item 03.A. (copy attached).

04. Consent Agenda

- A. Approval of monthly expenditures for the Mississippi School of the Arts (Nathan Oakley)
- B. Approval of Mississippi School for Mathematics and Science Advisory Board appointments (Nathan Oakley)
- C. Approval of methodology to award grant funds to local school districts for the CTE Non-traditional Participation Grant Programs (Nathan Oakley)
- D. Approval to begin the Administrative Procedures Act process: To establish the Mississippi K-12 Social Emotional Learning Standards (Nathan Oakley)
- E. Approval to begin the Administrative Procedures Act (APA) process: To revise Process Standard 24 in Miss. Admin Code: 7-24, *Mississippi Public School Accountability Standards, 2020* and Process Standard 20 in Miss. Admin Code: 7-163, *Mississippi Nonpublic School Accountability Standards, 2020* (Paula Vanderford)
- F. Approval of educator preparation programs as recommended by the Commission on Teacher and Administrator Education, Certification, and Licensure and Development September 11, 2020 (Paula Vanderford)

- G. Approval to establish Miss. Admin. Code 7-3: 99.2, State Board Policy Chapter 99, Rule 99.2 – School Calendar Approval and Modification (Has cleared the Administrative Procedures Act process without public comments) (Nathan Oakley)

On a motion by Dr. Karen J. Elam, seconded by Ms. Rosemary G. Aultman, the Board unanimously approved items A., B., C., D., E., F., and G. (copy attached).

X. Consideration of Executive Session

Ms. Rosemary G. Aultman moved that the Board consider making a closed determination of the need to go into Executive Session. Mr. Glen East seconded the motion, and the motion passed on a vote of 4 to 0. Dr. Jason S. Dean asked Dr. Carey M. Wright, Ms. Erin Meyer, and the Executive Leadership Team to remain in the Executive Session.

Ms. Rosemary G. Aultman, then moved that the Board go into Executive Session to discuss personnel matters in accordance with Miss. Code Ann. § 25-41-7(4)(a) and (k) related to: (1) the approval of the appointment of an Educ-Bureau Director to serve as the Director of Compulsory School Attendance and Enforcement and (2) discussion of strategy session or negotiations with respect to prospective litigation, litigation, or issuance of an appealable order, and investigative proceedings by any public body regarding allegations of misconduct or violation of law in accordance with Miss. Code Ann. § 25-41-7(4)(b) and (d) related to former MDE employees.

Minutes of the Executive Session

During the Executive Session, the Board discussed personnel matters in accordance with Miss. Code Ann. § 25-41-7(4)(a) and (k) related to: (1) the approval of the appointment of an Educ-Bureau Director to serve as the Director of Compulsory School Attendance and Enforcement and (2) discussion of strategy session or negotiations with respect to prospective litigation, litigation, or issuance of an appealable order, and investigative proceedings by any public body regarding allegations of misconduct or violation of law in accordance with Miss. Code Ann. § 25-41-7(4)(b) and (d) related to former MDE employees.

On a motion by Ms. Rosemary G. Aultman, seconded by Mr. Glen East, the Board voted 4 to 0 to come out of Executive Session.

The public came back into the Board meeting and Dr. Dean reported the action taken during the Executive Session.

1. On a motion by Ms. Rosemary G. Aultman, seconded by Dr. Karen J. Elam, the Board voted unanimously to approve the appointment of Dr. LaRenda J. Harrison

as an Educ-Bureau Director to serve as the Director of Compulsory School Attendance and Enforcement at a salary of \$92,000.00.

XI. State Board of Education

1. No report on meetings attended.
2. On a motion by Dr. Karen J. Elam, seconded by Ms. Rosemary G. Aultman, the Board unanimously approved for Dr. Jason S. Dean to attend the National Association of State Boards of Education (NASBE) virtual meeting where he will present Mississippi Connects next week and permission to pay a fee of \$125.00.

XII. Other Business

Dr. Dean stated that the November Board meeting will be held on November 12, 2020, at the Central High School Building starting at 10:00 a.m.

- XIII. On a motion by Dr. Karen J. Elam, seconded by Ms. Rosemary G. Aultman, the Board voted unanimously to adjourn the meeting at 11:37 a.m.

Approved:



Jason S. Dean, Chair
Mississippi Board of Education



Carey M. Wright
Executive Secretary
Mississippi Board of Education

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: Educational Leadership

Contact Person: Myron Labat **Mail Stop:** **E-mail:** mblabat@colled.msstate.edu

Nature of Change: Degree modification **Date Initiated:** 2/2021 **Effective Date:** Fall 2021

Current Degree Program Name: Ed.D.

Major: Education

Concentration: Educational Leadership

New Degree Program Name: Ed.D.

Major: Education

Concentration: Educational Leadership

Summary of Proposed Changes:

Changes have been made to update the curriculum to reflect the knowledge and skills that candidates need to effectively lead schools and school districts addressing both traditional and contemporary challenges that schools are facing. Research courses have been proposed to better prepare candidates for applied research in a practical setting to better inform their decisions as school leaders. The dissertation has been replaced with a practical capstone project which is consistent with the trends of Ed.D. Programs in Educational Leadership within our state and beyond. Further, modifying and updating the Ed.D. Program serves to better differentiate the program from the Ph.D. Program in Educational Leadership while also meeting the needs of the students enrolled in the program and the constituents that they serve.

Approved:

Date:

Eric Moyen

Digitally signed by Eric Moyen

Date: 2021.02.26 16:49:28

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Department Head

Chair, College or School Curriculum Committee

March 26, 2021

Dean of College or School

April 5, 2021

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council



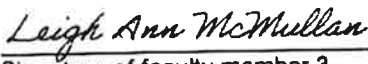
To: Box Council and UCCC Committee Members
From: Myron B. Labat, Ph.D.
Re: Support of Ed.D. Program modification
Date: 11/13/20

This letter of support is offered by the P-12 Educational Leadership Faculty for the proposed program modification adding the following courses:

EDA 8483 Survey Research
EDA 8563 Program Evaluation
EDA 8493 Action Research
EDA 8623 Capstone Project I
EDA 8633 Capstone Project II
EDA 8643 Capstone Project III

As indicated by the signatures below, a majority of the program area faculty have approved the proposal as written for submission to the Box Council and the UCCC.

Program Area Faculty

	Nov 16, 2020
Signature of faculty member 1	Date
	Nov 16, 2020
Signature of faculty member 2	Date
	Nov 16, 2020
Signature of faculty member 3	Date
Signature of faculty member 4	Date

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: Doctor of Education (Ed.D.) Major: Education Concentrations: Educational Leadership		Degree: Doctor of Education (Ed.D.) Major: Education Concentrations: Educational Leadership	
<i>The Doctor of Education (Ed.D.) program requires at least three academic years beyond the baccalaureate degree and a minimum of 90 semester hours are necessary to meet the course requirements for the Ed.D. degree.</i>		The Doctor of Education (Ed.D.) program offers a terminal degree designed to prepare scholar-practitioners serving in P-12 leadership positions. By combining educational theory with action research, students learn how to critically examine problems and provide solutions to needs at the building and district levels. Graduates will possess the content knowledge and research skills to improve schools in the P-12 education system.	
The Educational Leadership concentration is designed to prepare educators in the P-12 School Leadership arena for leadership at the building and district levels.		The Educational Leadership concentration is designed to prepare educators in the P-12 School Leadership arena for leadership at the building and district levels.	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses		College Required Courses	
<i>EPY 8214 - Advanced Educational and Psychological Statistics</i>	4		
<i>EPY 8223 – Psychological Foundations</i>	3		
<i>EPY 9213 – Advanced Analysis of Educational Research</i>	3		
<i>EDF 8313 - Philosophy of Education</i>	3		
<i>EDF 8363 – Function and Methods of Research in Education</i>	3		
<i>EDF 9373 – Educational Research Design</i>	3		
Major Required Courses (24-36 hours)		Major Required Courses	
EDA 8283 – Educational Leadership	3	EDA 8163 Pub School Finance	3
EDA 8190 – Workshop in Ed Administration and Supervision	3	EDA 8223 Seminar in Administration	3
EDA 8383 – Ethical Decision Making in Education	3	EDA 8423 Law and ethics in Educational Leadership	3
EDA 8223 – Seminar in Administration	3	EDA 8433 The Superintendency	3
EDA 8163 – Public School Finance	3	EDA 8443 Politics and Policy in Ed Leadership	3
EDA 8353 – Applications of Theory in Education Administration	3	EDA 8453 Instructional Leadership	3
EDA 8293 – Professional Development of Education Personnel	3	EDA 8463 Tech and Comm in Ed Leadership	3
EDA 8273 – Educational Administration and Supervision	3	EDA 8283 Educational Leadership	3
		EDA 8353 App of Theory in Ed Admin	3
		EDA 8413 HR Administration in Ed Leadership	3
		Ed Leadership Elective 1	3
		Ed Leadership Elective 2	3
Concentration 1. Courses		Concentration 1. Courses	

Electives <i>EDA 9000 - Dissertation Research</i>	12 20	EDA 8473 Intro Research in Ed Leadership EDA 8493 Action Research EDA 8483 Survey Methods EDA 8563 Program Evaluation EDA 8623 Capstone 1 EDA 8633 Capstone 2 EDA 8643 Capstone 3	3 3 3 3 3 3
Concentration 2. Courses		Concentration 2. Courses	
Total Hours	75	Total Hours	57

JUSTIFICATION AND STUDENT LEARNING OUTCOMES

Justification

In an effort to better meet the needs of P-12 School Leadership students pursuing doctorate degrees in Educational Leadership we are proposing these modifications to the Doctor of Education (Ed.D.) degree in Educational Leadership. The modifications being proposed to the Ed.D. Program are requested to place the needs of P-12 doctoral students at the forefront. The overwhelming majority of our doctoral graduates pursue doctoral degrees in order to increase their qualifications for upper leadership positions at the school and district P-12 levels. These students also pursue doctoral degrees to increase their knowledgebase positioning them to be more effective P-12 school leaders. Traditionally, there has been a disconnect in research training for P-12 school leaders pursuing doctorate level education. Although the overwhelming majority of our doctoral candidates intend to remain as leaders in the P-12 setting, the research training offered in the Ph.D. Program and in our current Ed.D. Program is tailored more towards traditional theoretical research rather than applied research which is much more appropriate and applicable to the work that they do in the P-12 setting. Lastly, there is a sweeping trend in the P-12 Educational Leadership Field within the state of Mississippi and beyond which has resulted in more and more P-12 Educational Leadership Programs implementing Ed.D. Programs with a more applied research focus. Most of these programs require a capstone project or an applied research project as the culminating project rather than a traditional dissertation. These field-based capstone projects are designed to address a specific problem within their school or school district. This is what many P-12 Leaders are looking for when they pursue a doctoral program. In order to remain competitive with other doctoral programs within our state and within our region it is important that we are able to offer a similar program experience for potential and current students looking to advance their careers and knowledgebase.

Program Review/Assessment:

The degree program being modified, the Doctor of Education (Ed.D. in Education with a concentration in Educational Leadership) currently includes a traditional dissertation. Our proposal is to replace the traditional dissertation with a field-based capstone research project placing it more in line with other competitive Ed.D. Programs in Educational Leadership. The capstone project would be taught over three courses (Capstone I, Capstone II, and Capstone III). Additionally, we are proposing a program evaluation course, a survey research course, and an action research course to provide students with the research tools that they will need in order to successfully complete the capstone project as well conduct subsequent applied research within their schools and districts. The remainder of the coursework would consist of the core courses in Educational Leadership which are shared with the existing Ph.D. Program in P-12 Educational Leadership. These courses were recently modified for the Ph.D. Program in April 2020 to update the curriculum placing it in line with current Educational Leadership Standards.

- 1) While we have researched and evaluated exemplary Ed.D. Programs nationwide and compared their curricular offerings and required hours to our proposed program, our primary competitors are the research institutions within our state; The University of Mississippi and The University of Southern Mississippi. This is largely because most all of our students are Mississippi residents as we do not offer a fully online program. Taking the programs of The University of Mississippi and The University of Southern Mississippi into consideration, our proposed program modification would place the MSU Ed.D. Program in a competitive space to aggressively compete for students in our state.
- 2) We have had several current, past, and potential students to contact our department to inquire about whether we have considered offering an Ed.D. in Educational Leadership. Based on the feedback that we have received from these students and potential students, we anticipate that the program will be a very popular option.
- 3) In addition to feedback received from current, past, and potential students, we have received considerable feedback from area School Superintendents and Principals who have expressed support for the idea during a 2019 P-12 Stakeholder meeting. Many of them have continued to follow up inquiring about whether we have implemented an Ed.D. Program based upon the discussions that we held during our Stakeholder meeting. Superintendents and Principals are supportive of the idea largely because of the practical nature of the research being conducted which is designed to address a specific problem within their schools and districts. Furthermore, superintendents are far more accommodating to research being conducted within their schools when the research is intended to address a specific problem or deficiency within the district.

Distance Learning

There is no distance-learning program.

Program Modification Questions:

1. Will this program change meet local, state, regional, and national educational and cultural needs? If so, please describe. **Yes. The program has been modified to better meet the needs of both the students enrolled in the programs and the schools and districts that they serve. The challenges that schools and school leaders face**

have become more complex. With this in mind the program has been modified to prepare graduates to successfully confront these challenges. Additionally, the program is aligned to the National Educational Leadership Preparation (NELP) Standards to ensure that all state, regional and national standards are being addressed and implemented.

2. Will this program change result in duplication in the System? If so, please describe. **No**
3. Will this program change/advance student diversity within the discipline? If so, please describe. **No**
4. Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? If so, please describe. **Yes. It is expected that by reviving and modifying the Ed.D. Program more school leaders will be inclined to pursue a doctoral level education. Attracting more potential students to pursue an Ed.D. in Educational Leadership who might otherwise not have pursued a doctorate should equip more school leaders with a greater level of knowledge and skills. This increased knowledgebase should allow them to more effectively lead schools and school districts.**
5. Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? If so, please describe. **Yes. Students who earn an Ed.D. would be eligible for an advanced AAAA license which includes an increase in salary. Additionally, earning a doctorate (Ed.D.) would increase the employment prospects and potential for professional advancement for our graduates.**

Student Learning Outcomes

Students will develop the skills and knowledge needed to engage in meaningful action research.

Students will learn and explore the legal and ethical implications as they relate to addressing action research.

Students will acquire the requisite knowledge needed to develop appropriate survey and sampling techniques to support their research.

Students will learn the principles of program evaluation as applied to educational problems of practice.

Students will learn the fundamentals of investigating problems of practice and proposing solutions to address those problems.

Students will learn the fundamentals of data collection and analysis.

Students will develop research skills and knowledge appropriate for scholar practitioners.

Students will develop a deeper knowledge of the school leader's role in instructional leadership by promoting the effective instructional practices that will advance student achievement.

Students will be prepared to utilize the principles of human resources management from the perspective of an advanced educational leader.

Students will explore many of the critical elements of politics and policy impacting the field of educational leadership.

Students will gain a greater understanding of the complexities and responsibilities associated with the position of school superintendent.

Comparison with Leading Academic Programs in the Discipline

As compared with other Ed.D. programs within our state, our proposed modified program is competitive in terms of curricular content, admissions requirements, required number of hours, and time to completion. As previously stated in the Program Review/Assessment section, because our program is not a fully online program almost all of our students come from within the state. Therefore, our program would be more appropriately compared to other Ed.D. Programs within our state. The two programs that we are likely to compete with most are the Ed.D. Programs offered by The University of Mississippi and The University of Southern Mississippi. Links to their programs have been included below:

The University of Mississippi

https://education.olemiss.edu/academics/programs/ed_leadership_edd.html

The University of Southern Mississippi

http://catalog.usm.edu/preview_program.php?catoid=25&poid=12318&returnto=1488

SUPPORT

A letter of support from the department faculty is included with the course proposal. The letter contains the signatures of each of the P-12 Educational Leadership Faculty.

PROPOSED 4-LETTER ABBREVIATION

No Change

EFFECTIVE DATE

Upon Approval

NEW COURSES AND THEIR CATALOG DESCRIPTIONS

EDA 8563 – Program Evaluation

(Prerequisites: Acceptance to the Doctor of Education or Doctor of Philosophy Program within The Educational Leadership Department, or permission of the instructor). Three credit hours. This course is designed to cover the principles of evaluation as applied to educational problems of practice.

EDA 8493 – Action Research

(Prerequisites: Acceptance to the Doctor of Education or Doctor of Philosophy Program within The Educational Leadership Department, or permission of the instructor). Three credit hours. This course will serve as an introduction to action research as it relates to professional practice in educational leadership.

EDA 8483 – Survey Research

(Prerequisites: Acceptance to the Doctor of Education or Doctor of Philosophy Program within The Educational Leadership Department, or permission of the instructor). Three credit hours. This course is designed to provide students with a foundation and an overview of survey research, primarily focusing on sampling and questionnaire development.

EDA 8623 – Capstone Project I

(Prerequisites: Acceptance to the Doctor of Education or Doctor of Philosophy Program within The Educational Leadership Department, or permission of the instructor). Three credit hours. The first phase in the capstone writing process. Students begin investigating a specific problem of practice and reviewing related literature.

EDA 8633 – Capstone Project II

(Prerequisites: Acceptance to the Doctor of Education or Doctor of Philosophy Program within The Educational Leadership Department, or permission of the instructor). Three credit hours. The second phase in the capstone writing process. Students will begin collecting and analyzing data for the capstone project.

EDA 8643 – Capstone Project III

(Prerequisites: Acceptance to the Doctor of Education or Doctor of Philosophy Program within The Educational Leadership Department, or permission of the instructor). Three credit hours. The final phase of the capstone writing process. Students will focus on constructing the capstone project and preparing the results for presentation.

EDA 8433 – The Superintendency

(Prerequisites: Acceptance to the Educational Administration Program, or permission of instructor). Three credit hours. This course addresses the many dimensions of the school superintendency. The course specifically covers the theory, processes, and procedures of effective superintendents. Students enrolled in this course can expect to explore the evolving complexities and challenges of leading school districts in the 21st century.

EDA 8463 – Technology and Communications in Educational Leadership

(Prerequisites: Acceptance to the Educational Administration Program, or permission of instructor). Three hours lecture. This course explores the skills needed to lead a school or

district in the ongoing process of technology integration. Leadership techniques and strategies, and resources and tools for designing, developing, implementing and evaluating critical aspects of instructional technology and school management will be addressed.

EDA 8473 – Intro to Research in Educational Leadership

(Prerequisites: Permission of the Department Head and/or instructor). Three credit hours. Research in Educational Leadership is designed to enable students to develop graduate-level skills in reading and interpreting research, analyzing research studies, formulating research questions, selecting appropriate research methodologies, and conducting research specifically in the field of educational leadership.

EDA 8413 – Human Resources Administration

(Prerequisites: Acceptance to the Educational Administration Program, or permission of instructor). Three credit hours. This course addresses various aspects of human resources administration (e.g., hiring, recruitment, professional development, and induction) primarily from a district level perspective.

EDA 8453 – Instructional Leadership

(Prerequisites: Acceptance to the Educational Administration Program, or permission of instructor). Three credit hours. This course examines the many factors involved in creating schools and school districts that promote high-quality instruction, student engagement, and student learning. The course will examine curriculum alignment, teacher evaluations, mentoring, coaching, and culturally responsive practices to prepare educational leaders for success as instructional leaders.

EDA 8443 – Politics & Policy in Educational Leadership

(Prerequisites: Acceptance to the Educational Administration Program, or permission of instructor). Three credit hours. This course addresses the various political contexts in which schools operate in order to prepare educational leaders to successfully function within local, state, and national political contexts. The course examines the legal, legislative, and executive (implementation) roles in school politics and policy formation. Students also learn key strategies for political advocacy throughout the course.

EDA 8423 – Law and Ethics in Educational Leadership

(Prerequisites: Acceptance to the Educational Administration Program, or permission of instructor). Three credit hours. This course explores legal, ethical and politics issues governing district level PreK-12 educational leaders and the legal responsibilities and powers of state and local governing bodies and individuals that arise in elementary and secondary schools.

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: Engineering

Department: Electrical and Computer Engineering

Contact Person: Qian Du

Mail Stop: 9571

E-mail: du@ece.msstate.edu

Nature of Change: Ph.D. Qualifying Exam **Date Initiated:** Fall 2020 **Effective Date:** Fall 2021

Current Degree Program Name: Ph.D. in Electrical and Computer Engineering

Major: Electrical and Computer Engineering

Concentration:

New Degree Program Name:

Major:

Concentration:

Summary of Proposed Changes:

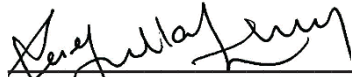
The ECE department proposes modification of the Ph.D. qualifying exam as follows:

“The ECE coursework-based Ph.D. qualifier requires Ph.D. students to earn a 3.5 GPA on the first 18 credit hours of ECE graduate coursework (at least 50% of credit hours must be at 8000-level). DIS courses are not considered for Ph.D. qualifier. Full-time students are required to pass the qualifier by the end of the second year of doctoral enrollment.”

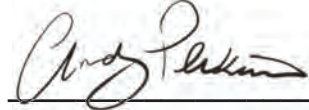
The current written qualifying exam will no longer be required.

There is no change to the curriculum of the Ph.D. program.

Approved:



Department Head



Chair, College or School Curriculum Committee

 for Jason Keith

Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

Date:

3/26/2021

April 6, 2021

April 6, 2021

1. CATALOG DESCRIPTION

CURRENT Catalog Description	PROPOSED Catalog Description
<p><i>All students enrolled in the doctoral program in Electrical and Computer Engineering are required to pass a written qualifying examination. The purpose of this qualifying examination is to assess the student's broad background in ECE and ensure their capabilities for conducting doctoral work. This exam covers undergraduate ECE coursework. Students who are classified as doctoral students must pass the qualifying examination within the first two years of full-time doctoral enrollment. Students enrolled in the doctoral program part-time have two years to pass the qualifying examination after completing 9 credit hours of coursework (any hours taken in unclassified status or transferred from another institution do not count toward these 9 hours).</i></p> <p><i>A student will be dismissed from the graduate program if a student does not pass the Ph.D. qualifying exam in four attempts, within the first four semesters.</i></p>	<p>The ECE coursework-based Ph.D. qualifier requires Ph.D. students to earn a 3.5 GPA on the first 18-credit hours of ECE graduate coursework (at least 50% of credit hours must be at 8000-level). DIS courses are not considered for Ph.D. qualifier. Full-time students are required to pass the qualifier by the end of the second year of doctoral enrollment.</p> <p>Students who do not achieve this can submit a plan of action to the graduate coordinator for achieving the required GPA. Then they can take up to an additional 6 credit hours of ECE graduate courses to improve their overall ECE course GPA to 3.5 (50% of overall ECE credit hours must be at 8000-level).</p>

2. CURRICULUM OUTLINE

There is no change in the ECE Ph.D. curriculum.

CURRENT Degree Description		PROPOSED Degree Description	
Degree: Ph.D. Major: Electrical and Computer Engineering Concentrations: N/A		Degree: Major: Concentrations:	
The Department of Electrical and Computer Engineering at Mississippi State University offers graduate programs of study leading to Doctor of Philosophy (Ph.D.) degrees in Electrical and Computer Engineering (ECE). The graduate degrees are offered by both on-campus study as well as distance education. These programs prepare graduates for leadership roles in the constantly changing activities of research, development, product design, consulting, and education.			
"[Click here and type old concentration description]" N/A		"[Click here and type new concentration description]"	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses		College Required Courses	
Major Required Courses		Major Required Courses	
Ph.D. in ECE:			
ECE 8xxx Graduate-level Courses	12		
ECE xxxx Additional graduate-level Courses	12		
ECE 9000 Dissertation Research	24		
Ph.D. in ECE – Direct-Admit:			
ECE 8xxx Graduate-level Courses	21		
ECE xxxx Additional graduate-level Courses	21		
ECE 9000 Dissertation Research	24		

Concentration 1. Courses		Concentration 1. Courses	
Concentration 2. Courses		Concentration 2. Courses	
Total Hours		Total Hours	
Ph.D. in ECE	48		
Ph.D. in ECE – Direct-Admit	66		

3. JUSTIFICATION AND STUDENT LEARNING OBJECTIVES

The current Ph.D. written qualifying exam covers undergraduate coursework. It includes 25 problems for 23 courses, and students are required to choose 8 problems to complete. The purpose is to assess the student's broad background in ECE and ensure their capabilities for conducting doctoral work. There have been concerns from the faculty that the broad background in ECE was demonstrated by a student's undergraduate transcript during doctoral admission, and passing an undergraduate coursework-based exam may not have a direct relationship with the capability of conducting doctoral research. To address these concerns, an Ad Hoc Committee on Ph.D. Qualifier Modification was formed in Fall 2020, which includes chair/co-chair of four emphasis areas of the ECE department. After several runs of discussion with faculty, the department head, and the associate dean for research, the new policy is proposed as in Part 1. It is based on GPA of ECE graduate-level courses. Its obvious benefits include the followings.

- These courses are also used to fulfill degree requirement, so no additional efforts are needed.
- Prerequisite knowledge in undergraduate courses are also required for taking graduate-level courses.
- ECE graduate courses are more relevant to doctoral research.
- The program of study should be approved by the major professor and committee members by the end of the first semester of doctoral enrollment, so the major professor can be more involved with the process.

The ECE faculty believes this modification will help enhance our graduate program, as more research outcomes can be generated by our Ph.D. students. While this modification is not expected to drastically change the diversity of the Ph.D. student base, it is expected that the cancellation of the written qualifying exam may make the Ph.D. program more attractive to prospective distance learning students, most of whom had left school for many years. With more time being devoted to research, Ph.D. graduates can be more productive, and more competitive in job hunt. The proposed modification is not expected to result in any significant change in salaries of Ph.D. graduates.

There is no change to learning outcomes with this Ph.D. qualifier modification. However, the criteria and procedures in 1a for Outcome 1 related to qualifying exam is revised accordingly.

Expected Outcomes	Assessment Criteria/Procedures
1. Technical knowledge - Graduates will demonstrate technical knowledge that is broad across Electrical and Computer Engineering and deep in their specific area of study.	<p>1a. Each student is required to fulfill the Ph.D. qualifier, i.e., earn a 3.5 GPA on the first 18 credit hours of ECE graduate coursework (at least 50% of credit hours must be at 8000-level). The program of study should be approved by the major professor and committee members by the end of the first semester of doctoral enrollment.</p> <p>Criterion: At least 90% of full-time graduates pass the Ph.D. qualifier within the first two years of doctoral enrollment.</p> <p>1b. Before graduation, each student will orally defend their dissertation to the faculty of their graduate committee. At the dissertation defense, the faculty of the student's graduate committee will complete the ECE Thesis and Dissertation Evaluation Form, a rubric evaluating the areas of technical content and presentation skills on a scale of 1.0 to 5.0.</p> <p>Criterion: At least 80% of graduates will achieve an average score of at least 3.0 on a scale of 1.0 to 5.0 on the technical-content portion of the ECE Thesis and Dissertation Defense Evaluation Form.</p>

<p>2. Communication of advanced-level research - Graduates will demonstrate ability to communicate advanced-level research that contributes to the profession.</p>	<p>2a. At the time of graduation, each student will complete the ECE Graduation Form, a graduation exit survey; each student will list all papers submitted to or published at technical symposia or conferences during their degree studies on the ECE Graduation Form. Criterion: At least 70% of graduates will have published one or more papers at technical symposia or conferences.</p> <p>2b. At the time of graduation, each student will complete the ECE Graduation Form, a graduation exit survey; each student will list all papers submitted to or published by peer-reviewed journals during their degree studies on the ECE Graduation Form. Criterion: At least 70% of graduates will have submitted one or more papers to peer-reviewed journals.</p> <p>2c. At the time of graduation, each student will complete the ECE Graduation Form, a graduation exit survey; each student will list all presentations made at technical symposia or conferences. Criterion: At least 70% of graduates will have presented orally one or more papers at technical symposia or conferences.</p> <p>2d. Before graduation, each student will orally defend their dissertation to the faculty of their graduate committee. At the dissertation defense, the faculty of the student's graduate committee will complete the ECE Thesis and Dissertation Evaluation Form, a rubric evaluating the areas of technical content and presentation skills on a scale of 1.0 to 5.0. Criterion: At least 80% of graduates will achieve an average score of at least 3.0 on a scale of 1.0 to 5.0 on the presentation-skills portion of the ECE Thesis and Dissertation Defense Evaluation Form.</p>
<p>3. Prepared for professional career - Graduates will be readily employable in their professional field.</p>	<p>3a. At the time of graduation, each student will complete the ECE Graduation Form, a graduation exit survey; each student will indicate their subsequent employment status on the ECE Graduation Form. Students who do not indicate subsequent employment on the ECE Graduation Form will be contacted by the departmental graduate program director the summer after their graduation and asked to complete a post-graduation email survey on employment. Criterion: At least 70% of graduates will have garnered employment at the time of graduation or shortly thereafter.</p> <p>3b. At the time of graduation, each student will complete the ECE Graduation Form, a graduation exit survey; each student will indicate any memberships in professional societies, thereby indicating that they understand the important role that such societies play in introducing new graduates to the professional community as well as in providing resources for lifelong learning and professional development. Criterion: At least 70% of graduates will be members of the IEEE or other appropriate professional society.</p>

4. SUPPORT

See attached letter from the departmental Ad Hoc Ph.D. Qualifier Modification Committee.

5. PROPOSED 4-LETTER ABBREVIATION

ECPE

6. EFFECTIVE DATE

Fall 2021



March 25, 2021

To Whom It May Concern:

The Department of Electrical and Computer Engineering (ECE) formed an Ad Hoc Committee on Ph.D. Qualifier Modification in September 2020, which includes the chair/co-chair of the four emphasis areas of the ECE department. The task of this Ad Hoc Committee was to address the concerns raised by our faculty about the current Ph.D. written qualifying exam, and to propose a new policy as needed.

The current Ph.D. written qualifying exam covers 23 undergraduate courses. The purpose is to assess the student's broad background in ECE and ensure their capabilities for conducting doctoral work. However, it took great effort for students to prepare and pass. It is particularly difficult for students who completed their undergraduate degree many years ago. There have been arguments that the broad background in ECE was shown in a student's undergraduate transcript for Ph.D. admission, and passing an undergraduate coursework-based exam may not have a strong correlation with the capability of conducting doctoral research.

After many discussions with faculty and administrators, the new policy is proposed which is based on the GPA of ECE graduate-level courses. It has been unanimously approved in the departmental faculty meeting. With the same purpose being served, we believe this new policy benefits our students in that they can be more devoted and productive in research, and more competitive in their future career. Meanwhile, this change can strengthen our graduate program when more research outcomes can be generated by our students. It may also help increase our doctoral enrollment.


We wish this proposal of modification would be reviewed favorably, as it reflects strong opinion from our faculty and it may be crucial for our Ph.D. program to remain successful in a new era full of challenges. If there is any question, please feel free to contact Dr. Qian (Jenny) Du at du@ece.msstate.edu or 662-325-2035.

Sincerely,

The Ad Hoc Ph.D. Qualifier Modification Committee

Qian Du (Chair and Graduate Coordinator) Qian Du

John Ball (Member) Dr John Ball

Randy Follett (Member) 

Mehmet Kurum (Member) Mehmet Kurum

Jean Mohammadi-Aragh (Member) Jean Mohammadi-Aragh

Bryan Jones (Member) Prof. Bryan A. Jones

APPROVAL FORM FOR
DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

College or School: BCoE

Department: Agricultural & Biological Engineering

Contact Person: Dr. Steven Elder

Mail Stop: 9632

E-mail: selder@abe.msstate.edu

Nature of Change: Modification

Date Initiated: 2/9/2021

Effective Date: 6/2/2021

New or Current Degree Program Name: Doctor of Philosophy in Engineering, Concentration in Biological Engineering

Summary of Proposed Changes:

We propose to add a GPA credit hour requirement specifically for students who have already earned the Master of Science at the time of admission. This will reduce the need for transferring courses and facilitate development of an efficient plan of study.

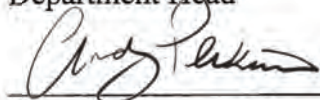
Approved by:

Date:



2/22/21

Department Head



April 6, 2021

Chair, College or School Curriculum Committee



for Jason Keith

4/6/2021

Dean, College or School

Chair, University Committee on Courses & Curricula

Chair, Graduate Council (if applicable)

Chair, Deans Council



MISSISSIPPI STATE UNIVERSITY™

Agricultural and Biological Engineering
Box 9632
Mississippi State, MS 39762
(662) 325-3282 / FAX (662) 325-3853

Date: February 9, 2021

University Committee on Courses and Curricula
Mailstop: 9702
Mississippi State, MS 39762

Dear UCCC,

As indicated by our signatures below, we, as faculty members of the Agricultural & Biological Engineering Department, support the proposed change to the GPA credit hour requirement for the Biological Engineering concentration of the Ph.D. in Engineering. We understand the new requirement would be a minimum of 48 credit hours of coursework beyond the baccalaureate degree or a minimum of 24 credit hours of coursework beyond the master's degree.

Sincerely,

<u>Steve Elder</u> Printed name	<u>Steve H. Elder</u> Signature	<u>Filip Yu</u> Printed name	<u>[Signature]</u> Signature
<u>Yuzhen Lu</u> Printed name	<u>Yuzhen Lu</u> Signature	<u>Fei Yu</u> Printed name	<u>[Signature]</u> Signature
<u>JOEL O. TAZ</u> Printed name	<u>[Signature]</u> Signature	<u>JOHN W. HOSS</u> Printed name	<u>[Signature]</u> Signature
<u>John Wesley Lowe</u> Printed name	<u>[Signature]</u> Signature	<u>Prem Parajuli</u> Printed name	<u>[Signature]</u> Signature
<u>Daniel Chesser</u> Printed name	<u>Daniel Chesser</u> Signature	<u>Charnisa Simpson</u> Printed name	<u>[Signature]</u> Signature
<u>Mary Lovetager</u> Printed name	<u>Mary Lovetager</u> Signature	<u>Anna Linkoss</u> Printed name	<u>[Signature]</u> Signature
<u>Lauren Priddy</u> Printed name	<u>Lauren Priddy</u> Signature	 Printed name	 Signature

Doctor of Philosophy in Engineering, Concentration in Biological Engineering

Degree Program Modification

1. Catalog Description

The proposed modification does not require a change to the catalog description (see below).

2. Curriculum Outline

DEGREE MODIFICATION OUTLINE FORM

CURRENT Degree Description	PROPOSED Degree Description
Degree: Doctor of Philosophy Major: Engineering Concentration: Biological Engineering	Degree: Doctor of Philosophy Major: Engineering Concentration: Biological Engineering
Department Head: Dr. Alex Thomasson Graduate Coordinator: Dr. Steven Elder 100 Ag and Bio Engineering Building Box 9632 Mississippi State, MS 39762 Telephone: (662) 325-3282 E-mail: selder@abe.msstate.edu Website: http://www.abe.msstate.edu Graduate study is offered in the Department of Agricultural and Biological Engineering leading to the degree of Master of Science in Biological Engineering or a Doctor of Philosophy in Engineering. Major areas of study are include the following. <ul style="list-style-type: none">• Agricultural machinery systems• Precision agriculture• Animal waste management• Sustainable design• Pesticide applications and protection• Bioenvironmental systems• Seed processing and storage• Aquacultural systems• Agricultural modeling• Bioenergy The department has several major research laboratories including: remote sensing (the Kimbrough Precision Agriculture and Remote Sensing Engineering Laboratory), water quality and environmental engineering, cotton ginning (the MAFES/ABE Mini-Gin, a fully operational cotton gin), and bioenergy. A limited number of graduate research and teaching assistantships are available.	Department Head: Dr. Alex Thomasson Graduate Coordinator: Dr. Steven Elder 100 Ag and Bio Engineering Building Box 9632 Mississippi State, MS 39762 Telephone: (662) 325-3282 E-mail: selder@abe.msstate.edu Website: http://www.abe.msstate.edu Graduate study is offered in the Department of Agricultural and Biological Engineering leading to the degree of Master of Science in Biological Engineering or a Doctor of Philosophy in Engineering. Major areas of study are include the following. <ul style="list-style-type: none">• Agricultural machinery systems• Precision agriculture• Animal waste management• Sustainable design• Pesticide applications and protection• Bioenvironmental systems• Seed processing and storage• Aquacultural systems• Agricultural modeling• Bioenergy The department has several major research laboratories including: remote sensing (the Kimbrough Precision Agriculture and Remote Sensing Engineering Laboratory), water quality and environmental engineering, cotton ginning (the MAFES/ABE Mini-Gin, a fully operational cotton gin), and bioenergy. A limited number of graduate research and teaching assistantships are available.

Admission Criteria

Prerequisites for admission into the graduate program include all the general requirements of the Graduate School, an undergraduate engineering degree (or remedial engineering coursework), a satisfactory performance on the GRE for students with a degree from a program that is not EAC/ABET accredited, and identification of a departmental professor who is willing to serve as research director for the master's or Ph.D. project. International students must obtain a TOEFL score of 550 PBT (79 iBT) or IELTS score of 6.5 or higher.

Provisional Admission

An applicant who has not fully met the GPA requirement stipulated by the University may be admitted on a provisional basis. The provisionally-admitted student is eligible for a change to regular status after receiving a 3.00 GPA on the first 9 hours of graduate courses at Mississippi State University (with no grade lower than a C). The first 9 hours of graduate courses must be within the student's program of study. Courses with an S grade, transfer credits, or credits earned while in Unclassified status cannot be used to satisfy this requirement. If a 3.00 is not attained, the provisional student **shall** be dismissed from the graduate program. Academic departments may set higher standards for students to fulfill provisional requirements; a student admitted with provisional status should contact the graduate coordinator for the program's specific requirements. **While in the provisional status, a student is not eligible to hold a graduate assistantship.**

Contingent Admission

If a student applying to the M.S. program does not have an undergraduate degree in engineering, the student will be required to complete or have previous credit in 51 hours of engineering, mathematics, and physical science courses. The student will be granted contingent admission until the course requirement has been satisfied. Similarly, a student applying to the Ph.D. program must have a B.S. or M.S. degree in engineering. The same set of courses will be required before the student is fully admitted into the Ph.D. program.

Academic Performance

Unsatisfactory performance in the graduate program in Agricultural and Biological Engineering is defined as any of the following

- Failure to maintain a B average in attempted graduate courses after admission to the program
- A grade of U, D, or F in any one course
- More than two grades below a B
- Failure of the qualifying or preliminary exam (Ph.D. students only)

Admission Criteria

Prerequisites for admission into the graduate program include all the general requirements of the Graduate School, an undergraduate engineering degree (or remedial engineering coursework), a satisfactory performance on the GRE for students with a degree from a program that is not EAC/ABET accredited, and identification of a departmental professor who is willing to serve as research director for the master's or Ph.D. project. International students must obtain a TOEFL score of 550 PBT (79 iBT) or IELTS score of 6.5 or higher.

Provisional Admission

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Contingent Admission

If a student applying to the M.S. program does not have an undergraduate degree in engineering, the student will be required to complete or have previous credit in 51 hours of engineering, mathematics, and physical science courses. The student will be granted contingent admission until the course requirement has been satisfied. Similarly, a student applying to the Ph.D. program must have a B.S. or M.S. degree in engineering. The same set of courses will be required before the student is fully admitted into the Ph.D. program.

Academic Performance

Unsatisfactory performance in the graduate program in Agricultural and Biological Engineering is defined as any of the following

- Failure to maintain a B average in attempted graduate courses after admission to the program
- A grade of U, D, or F in any one course
- More than two grades below a B
- Failure of the qualifying or preliminary exam (Ph.D. students only)

<ul style="list-style-type: none"> • Failure of the research defense • Unsatisfactory evaluation of a thesis or dissertation • Failure of a required component of the program of study <p>Any one of these, or a combination of these, will constitute the basis for review for possible dismissal. The graduate coordinator will review the record, along with the student's graduate committee, and take a final course of action, which will be immediate dismissal or the establishment of a probationary period in which corrective action must take place. Appeal of dismissal can be made by submitting a written appeal statement to the department head. If the dismissal is upheld by the department head upon the student's appeal, the student can then submit a written appeal to the dean of the College of Engineering.</p>		<ul style="list-style-type: none"> • Failure of the research defense • Unsatisfactory evaluation of a thesis or dissertation • Failure of a required component of the program of study <p>Any one of these, or a combination of these, will constitute the basis for review for possible dismissal. The graduate coordinator will review the record, along with the student's graduate committee, and take a final course of action, which will be immediate dismissal or the establishment of a probationary period in which corrective action must take place. Appeal of dismissal can be made by submitting a written appeal statement to the department head. If the dismissal is upheld by the department head upon the student's appeal, the student can then submit a written appeal to the dean of the College of Engineering.</p>	
CURRENT CURRICULUM OUTLINE	Hours	PROPOSED CURRICULUM OUTLINE	Hours
MA XXXX Graduate mathematics course	3	<u>Beyond the baccalaureate degree</u> MA XXXX Graduate mathematics course	3
Select two of the following:	2	Select two of the following:	2
<ul style="list-style-type: none"> • ABE 8911 Agricultural and Biological Engineering Seminar • ABE 8921 Agricultural and Biological Engineering Seminar 		<ul style="list-style-type: none"> • ABE 8911 Agricultural and Biological Engineering Seminar • ABE 8921 Agricultural and Biological Engineering Seminar 	
Graduate-level coursework as approved by the committee	33	Graduate-level coursework as approved by the committee	33
8000-level coursework as approved by the committee	10	8000-level coursework as approved by the committee	10
		<u>Beyond the master's degree (any discipline of engineering)</u> MA XXXX Graduate mathematics course	3
		Select two of the following:	2
		<ul style="list-style-type: none"> • ABE 8911 Agricultural and Biological Engineering Seminar • ABE 8921 Agricultural and Biological Engineering Seminar 	
		Graduate-level coursework as approved by the committee	19
<p><i>A preliminary examination, a dissertation, and an oral examination in defense of the dissertation are required. Doctoral students are required to take or have credit in a graduate level math course, complete a minimum of 48 credit hours of</i></p>		<p><i>A preliminary examination, a dissertation, and an oral examination in defense of the dissertation are required. Doctoral students are required to take or have credit in a graduate level math course, complete a minimum of 48 credit hours of</i></p>	

<i>coursework beyond the baccalaureate degree and complete 20-32 hours of dissertation research.</i>		coursework beyond the baccalaureate degree or a minimum of 24 credit hours of coursework beyond the master's degree, and complete 20-32 hours of dissertation research.	
Research/Dissertation	20-32	Research/Dissertation	20-32
<i>Total Hours</i>	68-80	Total Hours	68-80 beyond the B.S 44-56 beyond M.S.

3. Justification and Student Learning Outcomes

The proposed change will not impact student learning outcomes. It is intended to clarify the degree requirements for current and prospective students who have already earned a master's degree. Twenty-four is the standard GPA credit hour requirement for a Master of Science in engineering. Thus, the proposed total 24 GPA credit hour requirement beyond the master's degree is equivalent to the 48 GPA credit hour requirement beyond the bachelor's degree.

- a. Will this program change result in duplication in the System?

No. The proposed change is a very minor one to an existing program.

- b. Will this program change/advance student diversity within the discipline?

The proposed change is not expected to impact diversity of our graduate student population. We have always promoted participation by students from all national, racial, cultural, and ethnic backgrounds and will continue to do so.

- c. Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.?

The proposed change does not alter the overall curriculum. We hope that it will encourage students with a master's degree to apply to the doctoral program.

- d. Will the program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.?

The proposed change will not affect potential salaries.

4. Support (see letter attached)

5. Proposed 4-Letter Abbreviation: No change

6. Effective Date: June 2, 2021