A MEMORANDUM

DATE: March 10, 2022

TO: Academic Deans Council

FROM: Dr. Andy Perkins
UCCC Chair

RE: Change Notice 9

Listed below are curriculum change proposals which have been recommended by the University Committee Courses and Curricula. Under current procedure, members of the Academic Deans Council may question the approval of these proposals at any time prior to 5:00 p.m. on March 23, 2022 by contacting Dr. Andy Perkins (5-0004) or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered approved automatically.

1. Course Proposals by college/school

AGRICULTURE AND LIFE SCIENCES

Technical Change ADS 4513/6513	**Approved**	**FROM: ADS 4513/6513 Companion Animal Management.** (3). (Prerequisite: ADS 1113 and ADS 1121 or ADS 1114 and ADS 4114/6114, ADS 4124/6124 and ADS 4613/6613/PHY6613). Three hours lecture. Focus on various aspects of companion animal management including breed selection, nutrition, reproduction, and marketing. **TO: ADS 4513/6513 Companion Animal Management.** (3). Three hours lecture. Focus on various aspects of companion animal management including breed selection, nutrition, reproduction, and marketing. Effective: Summer 2022
Modification EPP 6154 +Online/Distance (split level w/ EPP 4154)	**Approved**	**FROM: EPP 4154/6154 General Entomology.** (4). Two hours lecture. Four hours laboratory. Fall semester. Biology of insects including morphology, physiology, development, ecology, and emphasis on classification of orders and common families. **TO: EPP 4154/6154 General Entomology.** (4). Two hours lecture. Four hours laboratory. General Entomology is designed to introduce the biology and diversity of insects. Lectures cover most of basic biological phenomena of insects including morphology, physiology, development, ecology, and interactions with human activities. Lab activities include insect collection, classification, and hands-on experiments. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2022

Modification EPP 8343 +Online/Distance	**Approved**	**FROM: EPP 8343 Advances in Insect Anatomy-Structure and Function.** (3) (Prerequisites: General entomology (EPP 4154/6154) and/ or Insect taxonomy (EPP 4164/6164) or consent of instructor). Three credit course for upper-level graduate students with basic background in entomology. Advances in knowledge of insect anatomy, functional morphology and terminology associated with it. Evolutionary aspects of insect form and function. **TO: EPP 8343 Advances in Insect Anatomy-Structure and Function.** (3). (Prerequisites: General entomology (EPP 4154/6154) and/ or Insect taxonomy (EPP 4164/6164) or consent of instructor). Three hours lecture for upper-level graduate students with basic background in entomology. Advances in knowledge of insect anatomy, functional morphology and terminology associated with it. Evolutionary aspects of insect form and function. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2022
Modification EPP 8353 +Online/Distance	**Approved**	**FROM: EPP 8343 Advances in Insect Physiology and Biochemistry.** (3). (Prerequisites: General entomology (EPP 4154/6154) and/ or Insect taxonomy (EPP 4164/6164) or consent of instructor). Three credits course for upper-level graduate students with basic background in entomology and biochemistry. This advanced course will examine the major biochemical and molecular bases of the processes and functions of insect systems. **TO: EPP 8343 Advances in Insect Physiology and Biochemistry.** (3). (Prerequisites: General entomology (EPP 4154/6154) and/ or Insect taxonomy (EPP 4164/6164) or consent of instructor). Three hours lecture for upper-level graduate students with basic background in entomology and biochemistry. This advanced course will examine the major biochemical and molecular bases of the processes and functions of insect systems. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2022

Addition +Online/Distance	EPP 8364	**Approved**	**EPP 8364 Non-Thesis Masters Project in Entomology.** (4). Four Hours Directed Independent Study. This non-thesis project is open to students who have enrolled in the online Non-Thesis Master's program in Applied Entomology. Directed Independent Study will be conducted in the field of Entomology or Entomology-related work. Method of Instruction: I Method of Delivery: O Campus: 5 CIP: 011105 30 Char: Non-Thesis Masters Project Ent Effective: Spring 2022
Addition +Online/Distance	EPP 8881	**Approved**	**EPP 8881 Entomology and Plant Pathology Colloquium.** (1). One Hour Seminar. Informal literature-based discussion of Entomology and Plant Pathology topics. One-hour synchronous discussion per week. Students may repeat the class up to three times for credit (no more than 1 credit concurrently). Contact the instructor of record to learn the course theme for each iteration. Method of Instruction: S Method of Delivery: F & O Campus: 1 & 5 CIP: 011105 30 Char: EPP Colloquium Repeatable: 3 times Effective: Spring 2022
Addition	FDM 3213	**Approved**	**FDM 3213 Fashion Forecasting.** (3). (Prerequisite: FDM 2553). Three hours lecture. Survey of the techniques and procedures for identifying and forecasting fashion trends and evaluating current trends in lifestyles, business, ready-to-wear, and art. Students will learn to recognize and analyze predictive fashion trends that affect retail merchandising and marketing decisions. Method of Instruction: C Method of Delivery: O Campus: 5 CIP: 521902 30 Char: Fashion Forecasting Effective: Spring 2022
Modification	HDFS 4701	**Approved**	**FROM: HDFS 4701 Internship Placement.** **TO: HDFS 4701 Internship Preparation.** 30 Char: Internship Preparation Effective: Fall 2022

Addition HDFS 4802/6802 +Online/Distance	**Approved**	**HDFS 4802/6802 Grief and Bereavement: Support Systems and Practices for Children and Families.** (2). Two hours lecture. An introduction to current issues, theory, and research related to grief, loss, and bereavement as it impacts children, adolescents, and their families. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 190799 30 Char: Grief & Bereav Child Fam Effective: Spring 2022

ARTS AND SCIENCES

Addition CO 2512	**Approved**	**CO 2512 Introduction to Theatrical Design.** (2). (Prerequisite: CO 1503). Four hours studio. Project-based study of design for live performance, focused on conceptual, analytical, and cooperative techniques and on the development of visual storytelling ideas. Method of Instruction: Q Method of Delivery: F Campus: 1 CIP: 500502 30 Char: Intro to Theatrical Design Effective: Spring 2022
Modification CO 3313 +Online/Distance	**Passed Contingent**	**CO 3313 News Writing for the Electronic Media.**
Addition CO 3383	**Approved**	**CO 3883 Creative Services Video Production.** (3). (Prerequisite: CO 2333, CO 3333). Two hours lecture and two hours laboratory. Advanced techniques and principles in client-based video production. Method of Instruction: B Method of Delivery: F Campus: 1 CIP: 500602 30 Char: CS Video Production Effective: Spring 2022

Addition	CO 3532	**Approved**	**CO 3532 Theatre for Change.** (2). (Prerequisites: CO 1503 and CO 2503). Four hours studio. Exploration of the history, theory, and current practice of public performance as tools for global, social-political transformation. Method of Instruction: Q Method of Delivery: F Campus: 1 CIP: 500501 30 Char: Theatre for Change Effective: Spring 2022
Addition	CO 3552	**Approved**	**CO 3552 Professional Practice for Theatre.** (2). (Prerequisite: CO 1503). Four hours studio. Project-based study of professional techniques necessary to start and manage a career in live entertainment. Method of Instruction: Q Method of Delivery: F Campus: 1 CIP: 509999 30 Char: Professional Practice, Theatre Effective: Spring 2022
Addition	CO 3573	**Approved**	**CO 3573 Script Analysis.** (3). (Prerequisite: CO 1503). Three hours lecture. In-depth study of evaluation techniques for Western drama, with emphases on conventions, structure, intention, and context. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 500505 30 Char: Script Analysis Effective: Spring 2022
Technical Change	CO 3713	**Approved**	**FROM: CO 3713 Digital Communication.** (3). (Prerequisites: CO 2413 with a C or better or CO 3313 with a C or better or consent of instructor). Two hours lecture. Two hours laboratory. Processes and methods of effective digital communication. **TO: CO 3713 Digital Communication.** (3). (Prerequisites: CO 2413 with a C or better or consent of instructor). Two hours lecture. Two hours laboratory. Processes and methods of effective digital communication. Effective: Summer 2022

Modification CO 3843 +Online/Distance	**Approved**	**FROM: CO 3843 Media Relations.** (3). (Prerequisite: CO 3833). Three hours lecture. Study of interviewing and communication skills for reporters and the issues, problems, and strategies employed by interviewees related to radio, television, and print interviews. **TO: CO 3843 Media Relations.** (3). (Prerequisite: CO 2413). Three hours lecture. Study of interviewing and communication skills for reporters and the issues, problems, and strategies employed by interviewees related to radio, television, and print interviews. Method of Delivery: F & O Campus: 1, 2, & 5 Effective: Fall 2022
Technical Change CO 4233/6233	**Approved**	**CO 4233/6233 Approval to Offer Campus 2 Meridian for Gender and Media.** Campus: 1, 2, & 5 Effective: Spring 2022
Technical Change CO 4813 /6813	**Approved**	**FROM: CO 4813/6813 Public Relations in Organizations.** (3). (Prerequisites: Grade of C or better in CO 3813 and CO 3863). Three hours lecture. Studies in using various communication techniques for image building and campaign development for profit and non-profit organizations. **To: CO 4813/6813 Public Relations in Organizations.** (3). (Prerequisites: Grade of C or better in CO 3813, CO 3853, CO 3863, and CO 4803). Three hours lecture. Studies in using various communication techniques for image building and campaign development for profit and non-profit organizations. Effective: Fall 2022
Addition CO 8353 +Online/Distance	**Approved**	**CO 8353 Seminar in Digital Media.** (3). Three hours seminar. The seminar will study the vast body of empirical research about both digital media content and media technology. The focus of the course will be on social and/or behavioral approaches of studying digital media. Method of Instruction: S Method of Delivery: F & O Campus: 1 & 5 CIP: 090702 30 Char: Seminar in Digital Media Effective: Spring 2022

Addition CO 8393 +Online/Distance	**Approved**	**CO 8393 Media Law for Leaders and Organizations.** (3). Three hours lecture. Study and analysis of laws and regulations significantly affecting media leadership and organizations, including newspapers, magazines, motion pictures, broadcasting, cablecasting, streaming and social media in America. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 090199 30 Char. Media Law for Leaders & Org. Effective: Spring 2022
Technical Change EN 4463 /6463	**Approved**	**FROM: EN 4463/6463 Studies in Second Language Acquisition.** (3). (Prerequisite: EN 4403/6403 or consent of instructor). Three hours lecture. A survey of the major theories of language acquisition, concentrating on accounts of second language acquisition. **TO: EN 4463/6463 Studies in Second Language Acquisition.** (3). (Prerequisite: EN 4403/6403 or consent of instructor). Three hours lecture. A survey of the major theories of language acquisition, concentrating on accounts of second language acquisition. (Same as FL 4463/6463). Effective: Spring 2022
Technical Change FL 4143/6143	**Approved**	**FROM: FL 4143/6143 Classical Mythology.** (3). Three hours lecture. Myths and legends of Greece and Rome and their use in literature and the arts through the ages. (Same as REL 4143/6143). **TO: FL 4143/6143 Classical Mythology.** (3). Three hours lecture. Myths and legends of Greece and Rome and their use in literature and the arts through the ages. (Same as REL 4143). Effective: Spring 2022
Addition FLL 4233/6233 +Online/Distance	**Approved**	**FLL 4233/6233 Vergil.** (3). (Prerequisite: FLL 2143, or permission of the instructor.) Three hours lecture. An introduction to the works of Vergil, reading extensively from the Latin of the Aeneid, the Eclogues, and/or the Georgics. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 161203 30 Char: Vergil Repeatable: One time Effective: Spring 2022

Technical Change	GS 1303	**Approved**	**FROM: GS 1303 Introduction to Social Justice Studies.** (3). Three hours lecture. Introductory examination of contemporary justice realities in order to understand the dynamics of oppression; linking competing theories of social justice to hierarchies grounded in race, ethnicity, nationality, gender, class, and sexuality, and to particular strategies for social transformation and change. (Same as SO 1303). **TO: GS 1303 Introduction to Social Justice Studies.** (3). Three hours lecture. Introductory examination of contemporary justice realities to understand the dynamics of oppression; linking competing theories of social justice to hierarchies grounded in race, ethnicity, nationality, gender, class, and sexuality, and to particular strategies for social transformation and change. (Same as SO 1303 and SJ 1303). Effective: Spring 2022
Modification +Online/Distance	PS 3193	**Passed Contingent**	**PS 3193 Intergovernmental Relations.**
Modification +Online/Distance	PS 4703	**Passed Contingent**	**PS 4703 Principles of Public Administration.**
Addition +Meridian	SJ 4993	**Approved**	**SJ 4993 Social Justice Studies Capstone.** (3). (Prerequisite: SJ/GS/SO 1303). Three hours lecture. Explores the goals and strategies of social justice movements through an analysis of theory, empirical research, and historical context. Students will also learn and apply several approaches through a written research project or applied social justice project. Method of Instruction: Q Method of Delivery: F Campus: 1 & 2 CIP: 459999 30 Char: Social Justice Capstone Effective: Spring 2022

Modification ST 8263 +Online/Distance	**Approved**	**FROM: ST 8263 Advanced Regression Analysis.** (3). (Prerequisite: ST 8253). Three hours lecture. Continuation of ST 8253, including variable selection methods, optimization techniques, biased estimation methods such as ridge regression, non-linear regression, model validation methodology, indicator variables, design models. **TO: ST 8273 Advanced Regression Analysis.** (3). (Prerequisite: ST 8253). Three hours lecture. Continuation of ST 8253, including non-linear regression models for continuous response variables, generalized linear models such as logistic regression models for binary data and log-linear regression models for count data, and generalized linear mixed-effects models for longitudinal data. Method of Delivery: F & O Campus: 1 & 5 Effective: Spring 2022

ENGIINEERING

Addition ABE 6443 (split level with ABE 4443)	**Approved**	**ABE 4443/6443 Spectroscopic Sensing in Biosystems.** (3). (Prerequisite: Junior or graduate standing or consent of instructor). Three hours lecture. A comprehensive introduction to spectroscopic techniques and analysis in biosystems. Discuss the electromagnetic spectrum and its interaction with matter, UV-Vis-IR spectroscopy, other spectroscopic techniques, Agricultural and Biomedical applications of spectroscopy, and spectroscopic data analysis. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 140301 30 Char: Spec-Sensing in Biosystems Effective: Spring 2022
+Online/Distance ASE 4523	**Passed Contingent**	**ASE 4523 Aircraft Design II.**

Addition +Online/Distance +Gulf Coast	ECE 3244	**Approved**	**ECE 3244 Electronics I.** (4). (Prerequisite: Grade of C or better in ECE 3421 and either ECE 3423 or ECE 3413). Three hours lecture. Three hours laboratory. DC and small-signal models for diodes, basic principles of BJT and FET, analysis and operation of circuit models of diodes, BJTs, and FETs. Practical applications. Method of Instruction: B, C, & K Method of Delivery: F & O Campus: 1, 5, & 6 CIP: 141001 30 Char: Electronics I Effective: Spring 2022
Addition +Online/Distance +Gulf Coast	ECE 3253	**Approved**	**ECE 3253 Electronics II.** (3). (Prerequisite: Grade of C or better in ECE 3244). Three hours lecture. Operational amplifiers, frequency responses of RL, RC, and RLC circuits. Laplace transforms, active and passive filters. Method of Instruction: C Method of Delivery: F & O Campus: 1, 5, & 6 CIP: 141001 30 Char: Electronics II Effective: Spring 2022
+Online/Distance	ECE 3323	**Approved**	**ECE 3323 Approval to Offer Online Campus 5 for Electromagnetics II.** Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, 5, & 6 Effective: Spring 2022
Addition +Online/Distance +Gulf Coast	ECE 3421	**Approved**	**ECE 3421 Circuits I Lab.** (1). (Prerequisite: Grade of C or better or concurrent enrollment in MA 3113 and in either ECE 3413 or 3423). Three hours laboratory. Applications of electrical circuits including circuit analysis for DC and AC circuits, simulation tools, breadboarding, and basic circuit components. Accompanies ECE 3423. Method of Evaluation: L Method of Delivery: F & O Campus: 1, 5, & 6 CIP: 141001 30 Char: Circuits I Lab Effective: Spring 2022

Addition +Online/Distance +Gulf Coast	ECE 3423	**Approved**	**ECE 3423 Circuits I.** (3). (Prerequisite: Grade of C or better or concurrent enrollment in MA 3113 and ECE 3421). Three hours lecture. Fundamentals of electrical circuits. Circuit analysis techniques, resistance, sources, AC circuits, sinusoidal steady-state power calculations, and balanced three-phase circuits and transformers. Accompanies ECE 3421. Method of Instruction: C Method of Delivery: F & O Campus: 1, 5, & 6 CIP: 141001 30 Char: Circuits I Effective: Spring 2022
Addition +Online/Distance +Gulf Coast	ECE 3433	**Approved**	**ECE 3433 Circuits II.** (3). (Prerequisite: Grade of C or better in ECE 3421 and either ECE 3423 or ECE 3413). Three hours lecture. Operational amplifiers, frequency responses of RL, RC, and RLC circuits. Laplace transforms, active and passive filters. Method of Instruction: C Method of Delivery: F & O Campus: 1, 5, & 6 CIP: 141001 30 Char: Circuits II Effective: Spring 2022
+Online/Distance	ECE 3614	**Tabled**	**ECE 3614 Fundamentals of Energy Systems.**
+Online/Distance	ECE 3714	**Tabled**	**ECE 3714 Digital Devices and Logic Design.**
+Online/Distance	ECE 3724	**Tabled**	**ECE 3724 Microprocessors.**
Modification +Online/Distance	ECE 4724/6724	**Tabled**	**ECE 4724/6724 Embedded Systems.**

2. Program Proposals by college/school:

ACADEMIC AFFAIRS

Technical Change	**Degree:** MPAS **Major:** Physician Assistant Studies	**Approved**	Approved by Graduate Council Chair. . Effective: Summer 2022

AGRICULTURE AND LIFE SCIENCES

+Distance	**Degree:** MS **Major:** Agriculture **Concentration:** Engineering Technology	**Approved**	Approved by Graduate Council. Addition of distance education to Non-Thesis degree program. Effective: Summer 2022

To IHL 8-29-2021

ARTS AND SCIENCES

Modification +Distance	**Degree:** MPPA **Major:** Public Policy and Administration	**Approved**	Approved by Graduate Council. Effective: Summer 2022
Addition	**Degree:** Minor (undergraduate) **Major:** Social Justice Studies	**Approved**	Interdisciplinary minor. Effective: Summer 2022

To IHL March 2022

EDUCATION

Technical Change	**Degree:** BS **Major:** Secondary Education **Concentrations:** Biology, Chemistry, English, Mathematics, Physic, Social Studies	**Approved**	Effective: Fall 2022

ENGINEERING

Modification	**Degree:** BS **Major:** Computer Engineering	**Passed Contingent**	Appeared on 1/14/2022 agenda.
Modification	**Degree:** BS **Major:** Electrical Engineering, Energy Engineering	**Approved**	Appeared on 1/14/2022 agenda. See proposal for list of revisions. Effective: Fall 2022

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

Proposals**

_____

_____

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

23rd March, 2022
Date

APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

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

College: Academic Affairs **Department:** Physician Assistant Studies

Contact Person: James R. Kilgore **Mail Stop:** **E-mail:** jrk440@msstate.edu
Nature of Change: Technical Change **Date Initiated:** Spring 2022 **Effective Date:** Summer 2022
Current Degree Program Name: Master of Physician Assistant Studies

Major: n/a **Concentration:** n/a

New Degree Program Name: n/a

Major: n/a **Concentration:** n/a

Summary of Proposed Changes: The PAS 6113 Health Promotions and Disease Prevention for the Physician Assistant, a 3-hour course, will be moved from the Summer 2022 to the Fall 2022.

The PAS 6213 Behavior Medicine for the Physician Assistant, a 3-hour course, will be moved from the Fall 2022 to the Summer 2022.

The change is necessary to accommodate the availability of qualified faculty to teach the courses.

Approved: James R Kilgore Date: 2/23/2022
Department Head

Chair, College or School Curriculum Committee

Peter L. Ryan 24th February, 2022
Dean of College or School

2/24/2022
Chair, University Committee on Courses and Curricula

Rebecca Pellichampa 2/25/2022
Chair, Graduate Council(if applicable)

Peter L. Ryan 23rd March, 2022
Chair, Deans Council

1. CATALOG DESCRIPTION

No changes to the catalog description of courses

2. CURRICULUM OUTLINE

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: Master of Physician Assistant Studies Major: n/a Concentrations: n/a	Degree: Master of Physician Assistant Studies Major: n/a Concentrations: n/a
The Master of Physician Assistant Studies Degree prepares graduates for the practice of medicine as a physician assistant. PAs are medical professionals who diagnose illness, develop and manage treatment plans, prescribe medications, and often serve as a patient's principal healthcare provider. With thousands of hours of medical training, PAs are versatile and collaborative. PAs practice in every state and in every medical setting and specialty, improving healthcare access and quality. The program focuses on training general medical practitioners primarily for service in rural healthcare. Physician assistants (PAs) are nationally certified and state-licensed medical professionals who provide healthcare in collaboration with physicians. The program is designed to meet the Standards of the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA).	The Master of Physician Assistant Studies Degree prepares graduates for the practice of medicine as a physician assistant. PAs are medical professionals who diagnose illness, develop and manage treatment plans, prescribe medications, and often serve as a patient's principal healthcare provider. With thousands of hours of medical training, PAs are versatile and collaborative. PAs practice in every state and in every medical setting and specialty, improving healthcare access and quality. The program focuses on training general medical practitioners primarily for service in rural healthcare. Physician assistants (PAs) are nationally certified and state-licensed medical professionals who provide healthcare in collaboration with physicians. The program is designed to meet the Standards of the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA).
n/a	n/a

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses		College Required Courses	
PAS 6016 Human Anatomy and Physiology for the Physician Assistant	6	PAS 6016 Human Anatomy and Physiology for the Physician Assistant	6
PAS 6013 Introduction to the Physician Assistant Profession	3	PAS 6013 Introduction to the Physician Assistant Profession	3
PAS 6026 Patient Assessment for the Physician Assistant	6	PAS 6026 Patient Assessment for the Physician Assistant	6
PAS 6023 Clinical Diagnostic Methods for the Physician Assistant	3	PAS 6023 Clinical Diagnostic Methods for the Physician Assistant	3
PAS 6012 The Art of Medicine for the Physician Assistant	2	PAS 6012 The Art of Medicine for the Physician Assistant	2
PAS 6022 Clinical Genetics for the Physician Assistant	2	PAS 6022 Clinical Genetics for the Physician Assistant	2
PAS 6017 Clinical Medicine I for the Physician Assistant	7	PAS 6017 Clinical Medicine I for the Physician Assistant	7
PAS 6102 Clinical Skills for the Physician Assistant	2	PAS 6102 Clinical Skills for the Physician Assistant	2
PAS 6103 Clinical Decision Making for the Physician Assistant	3	PAS 6103 Clinical Decision Making for the Physician Assistant	3
PAS 6113 Health Promotion and Disease	3	PAS 6113 Health Promotion and Disease	3

Prevention for the Physician Assistant		Prevention for the Physician Assistant	
PAS 6104 Pathophysiology for the Physician Assistant	4	PAS 6104 Pathophysiology for the Physician Assistant	4
PAS 6112 Research Methods I for the Physician Assistant	2	PAS 6112 Research Methods I for the Physician Assistant	2
PAS 6208 Clinical Medicine II for the Physician Assistant	8	PAS 6208 Clinical Medicine II for the Physician Assistant	8
PAS 6204 Principles of Pharmacology for the Physician Assistant	4	PAS 6204 Principles of Pharmacology for the Physician Assistant	4
PAS 6203 Clinical Practice Issues for the Physician Assistant	3	PAS 6203 Clinical Practice Issues for the Physician Assistant	3
PAS 6213 Behavioral Medicine for the Physician Assistant	3	PAS 6213 Behavioral Medicine for the Physician Assistant	3
PAS 6223 Clinical Specialties for the Physician Assistant	3	PAS 6223 Clinical Specialties for the Physician Assistant	3
PAS 6202 Research Methods II for the Physician Assistant	2	PAS 6202 Research Methods II for the Physician Assistant	2
PAS 8302 Clinical Transitions for the Physician Assistant	2	PAS 8302 Clinical Transitions for the Physician Assistant	2
PAS 8308 Family Medicine Rotation for the Physician Assistant	8	PAS 8308 Family Medicine Rotation for the Physician Assistant	8
PAS 8333 Internal Medicine Rotation for the Physician Assistant	3	PAS 8333 Internal Medicine Rotation for the Physician Assistant	3
PAS 8303 Pediatric Medicine Rotation for the Physician Assistant	3	PAS 8303 Pediatric Medicine Rotation for the Physician Assistant	3
PAS 8313 Women's Health Rotation for the Physician Assistant	3	PAS 8313 Women's Health Rotation for the Physician Assistant	3
PAS 8323 General Surgery Rotation for the Physician Assistant	3	PAS 8323 General Surgery Rotation for the Physician Assistant	3
PAS 8343 Behavioral Medicine Rotation for the Physician Assistant	3	PAS 8343 Behavioral Medicine Rotation for the Physician Assistant	3
PAS 8353 Emergency Medicine Rotation for the Physician Assistant	3	PAS 8353 Emergency Medicine Rotation for the Physician Assistant	3
PAS 8403 Preceptorship Rotation for the Physician Assistant	3	PAS 8403 Preceptorship Rotation for the Physician Assistant	3
PAS 8312 The Summative Experience for the Physician Assistant	2	PAS 8312 The Summative Experience for the Physician Assistant	2
PAS 8322 The Capstone Project for the Physician Assistant	2	PAS 8322 The Capstone Project for the Physician Assistant	2
PAS 8301 Seminar I for the Physician Assistant	1	PAS 8301 Seminar I for the Physician Assistant	1
PAS 8321 Seminar II for the Physician Assistant	1	PAS 8321 Seminar II for the Physician Assistant	1
PAS 8332 Seminar III for the Physician Assistant	2	PAS 8332 Seminar III for the Physician Assistant	2
PAS 8363 Elective Rotation for the Physician Assistant	3	PAS 8363 Elective Rotation for the Physician Assistant	3
Major Required Courses n/a		Major Required Courses n/a	
Concentration 1. Courses n/a		Concentration 1. Courses n/a	

Concentration 2. Courses n/a		Concentration 2. Courses n/a	
Total Hours	108	Total Hours	108

3. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

The program is requesting a technical change. This technical change is moving the **PAS 6113 Health Promotion and Disease Prevention for the Physician Assistant 3-hour course** from the summer to the fall semester 2022. The additional technical change is moving the **PAS 6213 Behavioral Medicine for the Physician Assistant 3-hour course** from the fall to the summer. This is necessary due to the availability of qualified faculty to teach the two courses.

There will be no changes in the student learning objectives with this change.

Additional questions:

1. Will this program change meet local, state, regional and national education, and cultural needs?
    a. Program continues to meet educational and cultural needs. There will be no changes to the previously submitted program approvals other than timing of the presentation of these two courses.
2. Will this program change result in duplication in the System?
    a. The change results in no duplication in the system.
3. Will this program change advance student diversity within the discipline?
    a. There will be no changes from the previous approvals. Program advances student diversity within this discipline.
4. Will this program change result in an increase in potential placement of graduates in MS, the Southeast, and the US?
    a. There will be no changes from previous approvals that would impact potential placements.
5. Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the US?
    a. There will be no changes from the previous approvals that would impact salaries.

4. SUPPORT

(attached)
Head of Campus at Meridian, Dr. Terry Dale Cruse, provides a letter of support.

4. PROPOSED 4-LETTER ABBREVIATION

MPAS (No change)

5. CONTACT PERSON

James R. Kilgore, DMSc, PhD, PA-C
Program Director

601-484-6179
jrk440@msstate.edu

MISSISSIPPI STATE UNIVERSITY

MSU - MERIDIAN
Physician Assistant Studies Program
Riley Campus
2214 5th Street
Meridian, MS 39301
P. 601 696 2320
F. 601 696.2350
meridian.msstate.edu

To: UCCC

From: James R. Kilgore, DMSc, PhD, PA-C, DFAAPA
Interim Program Director Physician Assistant Studies Program

Cc: Dr. Peter Ryan, Associate Provost for Academic Affairs

Date: February 23, 2022

Re: Master of Physician Assistant Studies Program Course Changes

The Interim Program Director and faculty of the Mississippi State University Physician Assistant Studies program desire to move two courses to accommodate the availability of qualified faculty to teach the courses.

The PAS 6113 Health Promotions and Disease Prevention for the Physician Assistant, a 3-hour course, will be moved from the Summer 2022 to the Fall 2022.

The PAS 6213 Behavior Medicine for the Physician Assistant, a 3-hour course, will be moved from the Fall 2022 to the Summer 2022.

We respectfully request approval of the two courses.

APPROVAL FORM FOR

DEGREE PROGRAMS

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College: College of Agriculture and Life Sciences **Department:** Agricultural and Biological Eng.

Contact Person: Dr. Daniel Chesser **Mail Stop:** 9632 **E-mail:** dchesser@abe.msstate.edu

Nature of Change: Degree Modification **Date Initiated:** 4/07/2021

Effective Date: Spring 2022

Current Degree Program Name: M.S. in Agriculture with Engineering Technology Concentration – Non-Thesis

Major: Agriculture **Concentration:** Engineering Technology

New Degree Program Name: M.S. in Agriculture with Engineering Technology Concentration – Non-Thesis

Major: Agriculture **Concentration:** Engineering Technology

Summary of Proposed Changes:

1. Addition of distance education to the M.S. in Agriculture with Engineering Technology Concentration – Non-Thesis degree program

Approved:	Date:
Department Head	4/7/21
Chair, College or School Curriculum Committee	4/14/21
Dean of College or School	4/14/2021
Chair, University Committee on Courses and Curricula	11/23/2021
Chair, Graduate Council (if applicable)	2/25/2022
Chair, Deans Council	23rd March 2022

CATALOG DESCRIPTION

The non-thesis option for the Master of Science in Agriculture with a concentration in Engineering Technology requires a minimum of 30 credit hours of coursework with at least 15 hours at the 8000-level. The major professor and graduate committee will determine specific course requirements for the student's program. The student must submit a research paper.

1. GRADUATE DEGREE MODIFICATION OUTLINE FORM

CURRENT Degree Description	PROPOSED Degree Description
Degree: Master of Science, Non-thesis Option Major: Agriculture, Campus 1 Concentrations: Engineering Technology	Degree: Master of Science, Non-thesis Option Major: Agriculture, Campus 1 & **Campus 5** Concentrations: Engineering Technology
Graduate study is offered in the Department of Agricultural and Biological Engineering leading to the degree of Master of Science in Agriculture with a concentration in Engineering Technology. The non-thesis option for the Master of Science in Agriculture with a concentration in Engineering Technology requires a minimum of 30 credit hours of coursework with at least 15 hours at the 8000-level. The major professor and graduate committee will determine specific course requirements for the student's program. The student must submit a research paper.	Graduate study is offered in the Department of Agricultural and Biological Engineering leading to the degree of Master of Science in Agriculture with a concentration in Engineering Technology. **The program is designed to prepare individuals for agricultural systems, technology, and business management careers within the agricultural industry and its associated business and industrial sectors.** The non-thesis Campus 1 program requires a minimum of 30 credit hours of coursework with at least 15 hours at the 8000-level. **The non-thesis Campus 5 program also requires a minimum of 30 credit hours of coursework with at least 15 hours at the 8000-level. Aside from the Concentration required courses, the student's graduate committee will determine specific course requirements for the student's program.**
n/a	**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 be required to complete a scholarly activity, participate in research, and develop a scholarly document focused on the subject area.**

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
College Required Courses No college required courses	0	College Required Courses No college required courses	0
Major Required Courses: No major required courses.	0	Major Required Courses: No major required courses.	0
Concentration 1. Courses 8000-level coursework ST 8114 Statistical Methods Select one of the following: ABE 8911 ABE seminar ABE 8921 ABE seminar Graduate-level coursework	 10 4 1 15	Concentration 1. Courses: 8000-level coursework ST 8114 Statistical Methods Select one of the following: ABE 8911 ABE seminar ABE 8921 ABE seminar Graduate-level coursework	 10 4 1 15
Total Hours	30	Total Hours	30

- *Per Graduate School policy, "A student who has taken a course at the 4000 level at MSU CANNOT enroll in the same course at the 6000 level without explicit permission of the instructor and Graduate Coordinator of the department offering the course, the academic advisory committee, Graduate Coordinator, Department Head, and Academic Dean." Any Major Required Course completed while an undergraduate fulfills the requirement to have taken the course, but it must be replaced with another graduate level course, selected from Additional Electives, to satisfy the 30-hour minimum graduate level course requirement for the degree program.*
- *Campus 5 Graduate-level courses from other MSU Departments with at least half of the hours at the 8000-level as approved by the students graduate committee (Program of Study). Consult advisor for a list of suggested/approved courses.*

2. JUSTIFICATION FOR DISTANCE LEARNING OFFERING

Modification of this non-thesis program to distance learning (Campus 5) will provide flexibility to meet emerging graduate student needs and potential to reach a broader audience. Specifically, the online degree program would serve those whose schedule and geographic location does not lend well to traditional F2F classes. Additionally, the non-thesis component makes this program more feasible for distance-based students. The target audience would include non-traditional students and/or early/mid-career individuals seeking to earn a terminal degree by distance learning. Specific target audience examples include; non-traditional students, Extension agents/personnel, early/mid-career individuals within the agricultural industry value chain, military personnel, and State/Federal employees.

3. LEARNING OUTCOMES (no change from current program)

The objective of the degree program is to train individuals to operate and manage technologically based systems and businesses within the agricultural industry value chain. The program provides fundamental agribusiness and applied engineering technology training, principles, and knowledge for implementation of advanced technologies in current and emerging food and fiber production, processing, and logistics systems. Critical thinking, knowledge application, problem solving, and effective oral and written communication skills are core fundamentals of the program. Upon completion of the program, graduates should have the ability to:

- Understand and apply the fundamental principles of science and mathematics as well as cutting-edge agricultural systems and technologies, agricultural enterprise, and economics towards management of agro-technical systems, processes, and businesses.
- Use evidence based information to identify and think critically about agro-technical systems and industry problems.
- Collect, analyze, and interpret data towards developing and implementing sound solutions and responses to complex problems and business decisions.
- Demonstrate effective writing, speaking, presentation, and interpersonal skills needed to effectively communicate with industry professionals and stakeholders.
- Understand and put into practice professional, ethical, and safety protocols
- Provide leadership in an engineering technology-focused environment with the goal of maximizing productivity and profitability while ensuring sustainability of a business enterprise.

4. EFFECTIVE DATE

Spring 2022

5. CONTACT PERSON

Daniel Chesser, Ph.D
662-325-3282
dchesser@abe.msstate.edu

6. SUPPORT

A letter of support is included from the Department of Agricultural and Biological Engineering Graduate Faculty Committee.

MISSISSIPPI STATE UNIVERSITY.

DEPARTMENT OF AGRICULTURAL AND
BIOLOGICAL ENGINEERING
P. O. Box 9632
Mississippi State, MS 39762
P. 662.325.3280
abe.msstate.edu

April 5, 2021

University Courses & Curriculum Committee
Dr. Dana Franz, Chair
P.O. Box 9601
Mississippi State, MS 39762

Dear Dr. Franz,

The Graduate Faculty of the Department of Agricultural and Biological Engineering supports offering the Non-Thesis Master of Science in Agriculture degree with Engineering Technology Concentration via Distance Education (Campus 5). This modification will provide flexibility to reach a broader audience through service to non-traditional students and career individuals seeking a terminal degree whose schedule and geographic location does not lend itself well to traditional face-to-face classes.

Sincerely,
The Faculty of ABE

Daniel Chesser
Joel O. Paz
J. Wes Lowe
J. Alex Thomasson
Yuzhen Lu
Mary Love Tagert
Prem Parajuli
Steven H. Elder
S.D. Filip To
John Linhoss
Lauren B. Priddy
Fei Yu
Anna Linhoss
C. LaShan Simpson
Nuwan Wijewardane

Appendix 10: Report of Intent to Offer an Existing Degree Program by Distance Learning
(Submit Appendix 10 in both PDF and Word Document Formats)

Institution: Mississippi State University

Date of Initial Program Approval:	**Date of Implementation:**	**Cost to Offer by Distance Learning:**
2009	Fall 2021	$131,000

Program Title as It Appears on Academic Program:
Master of Science in Agriculture with Engineering Technology Concentration – Non-Thesis

Six-Digit CIP Code(s)& Four-Digit Sequence Code(s):
CIP: 010308 SEQ: 4522

Inventory, Diploma, and Transcript:
CIP & Sequence codes: IHL Active Program Inventory

Degree(s) to be Awarded:
Master of Science in Agriculture

Credit Hour Requirements:
30

Can this program be completed entirely online? Yes

Will this program require separate admission from those offered on-campus? No

Responsible Academic Unit(s):
Department of Agricultural and Biological Engineering
Center for Distance Education

Institutional Contact: Dr. Daniel Chesser
Phone: 662-325-4148
Email: dchesser@abe.msstate.edu

Number of Students Expected to Enroll in First Six Years:		**Number of Graduates Expected in First Six Years:**	
Year One	**4**	**Year One**	**0**
Year Two	**8**	**Year Two**	**4**
Year Three	**16**	**Year Three**	**8**
Year Four	**16**	**Year Four**	**16**
Year Five	**16**	**Year Five**	**16**
Year Six	**16**	**Year Six**	**16**
Total	**76**	**Total**	**60**

Program Summary:
The Master of Science in Agriculture with Engineering Technology Concentration Non-Thesis program is designed to prepare individuals for agricultural systems, technology, and business management careers within the agricultural industry and its associated business and industrial sectors. Students are prepared through courses in applied engineering principles and problem solving, agricultural technology and digital systems management, and management of agricultural enterprises. Modification of this non-thesis program to Campus 5 (online) delivery will provide flexibility to meet emerging graduate student needs and potential to reach a broader audience. Specifically, the online degree program would serve those whose schedule and geographic location does not lend well to traditional F2F classes. The non-thesis Campus 5 program requires a minimum of 30 credit hours of coursework with at least 15 hours at the 8000-level. Students will also be required to develop a scholarly paper, offer an oral presentation of that information to their graduate committee, and pass an oral exam to earn their degree. This distance-based program offers a good alternative for students desiring a terminal Master's degree without having to conduct a full-scale research project.

Chief Academic Officer Signature Date

Institutional Executive Officer Signature Date

Appendix 10: Report of Intent to Offer an Existing Degree Program by Distance Learning
(Submit Appendix 10 in both PDF and Word Document Formats)

Institution: Mississippi State University

Date of Initial Program Approval:	Date of Implementation:	Cost to Offer by Distance Learning:
2009	Fall 2021	$131,000

Program Title as It Appears on Academic Program Inventory, Diploma, and Transcript:	Six-Digit CIP Code(s) & Four-Digit Sequence Code(s):
Master of Science in Agriculture with Engineering Technology Concentration - Non-Thesis	CIP: 010308 SEQ: 4522

CIP & Sequence codes: IHL Active Program Inventory

Degree(s) to be Awarded:	Credit Hour Requirements:
Master of Science in Agriculture	30

Can this program be completed entirely online? ☒ Yes ☐ No

Will this program require separate admission from those offered on-campus? ☐ Yes ☒ No

Responsible Academic Unit(s):	Institutional Contact: Daniel Chesser
Department of Agricultural and Biological Engineering Center for Distance Education	Phone: 662-325-4148 Email: dchesser@abe.msstate.edu

Number of Students Expected to Enroll in First Six Years:		Number of Graduates Expected in First Six Years:	
Year One	4	Year One	0
Year Two	8	Year Two	4
Year Three	16	Year Three	8
Year Four	16	Year Four	16
Year Five	16	Year Five	16
Year Six	16	Year Six	16
Total	76	Total	60

Program Summary:

The Master of Science in Agriculture with Engineering Technology Concentration Non-Thesis program is designed to prepare individuals for agricultural systems, technology, and business management careers within the agricultural industry and its associated business and industrial sectors. Students are prepared through courses in applied engineering principles and problem solving, agricultural technology and digital systems management, and management of agricultural enterprises. Modification of this non-thesis program to Campus 5 (online) delivery will provide flexibility to meet emerging graduate student needs and potential to reach a broader audience. Specifically, the online

_____ _____

Chief Academic Officer Signature **Date**

_____ _____

Institutional Executive Officer Signature **Date**

APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

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

College: Arts and Sciences Department: Political Science and Public Administration

Contact Person: Mike Potter Mail Stop: PO Box PC E-mail: MP2146@msstate.edu
Nature of Change: Distance Approval Date Initiated: 9/28/21
Effective Date: 5/15/2022
Current Degree Program Name: Masters of Public Policy and Administration

Major: n/a Concentration: n/a

New Degree Program Name: Online Masters of Public Policy and Administration

Major: n/a Concentration: n/a

Summary of Proposed Changes: Award degree via distance education. Specified available electives for Campus 5 students.

Approved:	Date:
Department Head	
Chair, College or School Curriculum Committee	
Dean of College or School	
Chair, University Committee on Courses and Curricula	1/19/2022
Chair, Graduate Council(if applicable)	2/25/2022
Chair, Deans Council	23rd March 2022

APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

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

College: Arts & Sciences Department: Political Science and Public Adminstration

Contact Person: Mike Potter Mail Stop: 9561 E-mail: mp2146@msstate.edu

Nature of Change: Distance Approval Date Initiated: 9/28/21 Effective Date: May 2022

Current Degree Program Name: Master of Public Policy and Administration
Major: n/a Concentration: n/a

New Degree Program Name: n/a
Major: n/a Concentration: n/a

Summary of Proposed Changes: Offer degree via distance education

Approved:	Date:
Brian Thoup Department Head	12/6/2021
Heather Jordan Chair, College or School Curriculum Committee	12/17/21
Melanie Ellis Dean of College or School	12/8/21
Chair, University Committee on Courses and Curricula	
Chair, Graduate Council(if applicable)	
Chair, Deans Council	

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: Master of Public Policy and Administration Major: n/a Concentrations: n/a		Degree: Master of Public Policy and Administration Major: n/a Concentrations: n/a	
The 42-hour Master of Public Policy and Administration (M.P.P.A.) program strives to professionalize and diversify public service. The program prepares persons to serve effectively as public administrators at the national, state, and local levels of government.		The 42-hour Master of Public Policy and Administration (M.P.P.A.) program strives to professionalize and diversify public service. The program prepares persons to serve effectively as public administrators at the national, state, and local levels of government.	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
Master of Public Policy and Administration (Starkville)		Master of Public Policy and Administration (Distance)	
PPA 8103 Seminar in Public Administration	3	PPA 8103 Seminar in Public Administration	3
PPA 8703 Government Organization and Administrative Theory	3	PPA 8703 Government Organization and Administrative Theory	3
PPA 8713 Public Personnel Management	3	PPA 8713 Public Personnel Management	3
PPA 8723 Public Budgeting and Financial Management	3	PPA 8723 Public Budgeting and Financial Management	3
PPA 8733 Public Program Evaluation	3	PPA 8733 Public Program Evaluation	3
PPA 8743 Administrative Law	3	PPA 8743 Administrative Law	3
PPA 8803 Research Methods for Public Affairs	3	PPA 8803 Research Methods for Public Affairs	3
PPA 8903 Public Policy	3	PPA 8903 Public Policy	3
PPA 8983 Integrative Capstone	3	PPA 8983 Integrative Capstone	3
PPA 8400 Public Administration Internship*	3	PPA 8400 Public Administration Internship*	3
Electives at the 6000/8000 level	12	Electives at the 6000/8000 level (from these classes):** **PPA 8133 City County Management** **PPA 8193 Seminar in Intergovernmental Relations** **PPA 8833 Systems in Public Administration** **PPA 8990 Special Topics in Public Administration** **PPA 7000 Directed Individual Study in Political Science and Public Administration** **EDF 8443 Evaluation of School Programs** **EPY 6033 Application of Learning Theories** **EPY 6073 Personal and Motivational Factors in Education** **EPY 6214 Educational and Psychological Statistics** **EPY 8214 Intermediate Educational and Psychological Statistics** **EPY 8253 Child & Adolescent Development & Psychopathology** **MGT 8103 Strategic and Entrepreneurial Management** **MGT 8113 Leadership Skills for Managerial Behavior**	12
Total Hours	42	Total Hours	42

** Students who have worked for at least a year in a public or non-profit-oriented job may have the PPA 8400 requirement and its hours waived.*

*** Electives currently listed represent the courses available for Campus 5 at present. Substitutions may be approved by the program coordinator as additional courses become available.*

1. **Catalog Description**

The 42-hour Master of Public Policy and Administration (M.P.P.A.) program strives to professionalize and diversify public service. The program prepares persons to serve effectively as public administrators at the national, state, and local levels of government.

Admission Criteria

A competitive applicant for the M.P.P.A. program must have completed the last two years of undergraduate work with a grade point average of 3.00; applicants with previous graduate work must have a grade point average of 3.00 on such coursework. Moreover, the applicant must submit three letters of recommendation, official transcript(s), and a Statement of Purpose. An applicant with a lower grade point average may be admitted provisionally if she or he has appropriate work experience.

Any international applicant whose native language is not English must submit scores that are not more than two years old from either the Test of English as a Foreign Language (TOEFL) or the International English Language Testing Systems (IELTS). These applicants must have a score of 600 PBT (100 iBT) or better on the TOEFL or 7.5 on the IELTS.

A student who has not been enrolled for one regular semester (fall or spring) is required to submit a readmission form and a new statement of purpose. The readmission must be approved by the Graduate Coordinator. If a student has not been enrolled for one calendar year, the applicant must submit a new application and statement of purpose to be considered for readmission. The M.P.P.A. program accepts applications for Fall, Spring, and Summer semesters.

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 B). The first 9 hours of graduate courses must be within the student's program of study. Courses with an S grade, transfer credits, or credits earned while in Unclassified status cannot be used to satisfy this requirement. If a 3.00 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.**

Academic Probation

A student whose GPA fall below 3.00 will be placed on academic probation the following semester. See the complete Academic Probation policy in this catalog.

Unsatisfactory Performance

A student in the M.P.P.A. program will be dismissed if he or she receives a second grade of C or lower. He or she will also be dismissed if found responsible for violating the Student Honor Code for a second time. See the complete Graduate School policy on Academic Dismissal in this catalog.

Tuition and Fees

For a list of online tuition, instructional support, and other distance fees, please see the Controller's website at https://www.controller.msstate.edu/accountservices/tuition/.

2. Proposed Curriculum Outline

Curriculum Outline	Required Hours
Core Courses	
PPA 8103 Seminar in Public Administration	3
PPA 8703 Government Organization and Administrative Theory	3
PPA 8713 Public Personnel Management	3
PPA 8723 Public Budgeting and Financial Management	3
PPA 8733 Public Program Evaluation	3
PPA 8743 Administrative Law	3
PPA 8803 Research Methods for Public Affairs	3
PPA 8903 Public Policy	3
PPA 8983 Integrative Capstone	3
PPA 8400 Public Administration Internship*	3
Electives at the 6000/8000 level (select from these classes):** PPA 8133 City County Management PPA 8193 Seminar in Intergovernmental Relations PPA 8833 Systems in Public Administration PPA 8990 Special Topics in Public Administration PPA 7000 Directed Individual Study in Political Science and Public Administration EDF 8443 Evaluation of School Programs EPY 6033 Application of Learning Theories EPY 6073 Personal and Motivational Factors in Education EPY 6214 Educational and Psychological Statistics EPY 8214 Intermediate Educational and Psychological Statistics EPY 8253 Child & Adolescent Development & Psychopathology MGT 8103 Strategic and Entrepreneurial Management MGT 8113 Leadership Skills for Managerial Behavior	12
Total Hours	42
** Students who have worked for at least a year in a public or non-profit-oriented job may have the PPA 8400 requirements and its hours waived.* *** Electives currently listed represent the courses available for Campus 5 at present. Substitutions may be approved by the program coordinator as additional courses become available*	

3. **Justification for Distance Learning Offering**

The MPPA program prepares students to serve as effective, ethical public administrators at the national, state, and local levels of government. Working professionals interested in pursuing more advanced study do not currently have a feasible option to do so at MSU. Offering the MPPA degree online will give these professionals the opportunity to remain in their current positions while deepening their knowledge and further developing their competency in the core tenets of public administration. It will also allow the department to remain competitive with other graduate programs in public affairs across Mississippi and the Southeast.

Target Audience

The target audience for the online MPPA program will be those who currently work in the field and desire professional development and career advancement opportunities, as well as those who seek to be more competitive for executive and managerial positions in state and federal government by holding an advanced degree from a NASPAA-accredited program.

4. **Learning Outcomes**

The Learning Outcomes are the same for both Campus 1 and Campus 5 students.

Universal Competency	Student Learning Goal	Course
To lead and manage in the public interest	Demonstrate competency in skills, tools, and procedures for managing human resources.	PPA 8713
	Demonstrate ability to identify, compare, and evaluate theories and methods for understanding behavior of people in organizations.	PPA 8703
To participate in, and contribute to, the policy process	Demonstrate competency in professional writing skills/written communication.	PPA 8733
	Demonstrate competency in oral presentation skills/communication.	PPA 8723
	Demonstrate competency in test validity and significance/hypothesis testing.	PPA 8803
	Understand the policy process (goals, types, criteria, problem definition).	PPA 8903
To analyze, synthesize, think critically, solve problems, and make evidence-informed decisions in a complex and dynamic environment	Demonstrate competency in information gathering, utilization, synthesis, and application.	PPA 8103
	Demonstrate competency in test validity and significance/hypothesis testing.	PPA 8803
	Understand the policy process (goals, types, criteria, problem definition).	PPA 8983
	Demonstrate ability to identify, compare, and evaluate theories and methods for understanding behavior of people in organizations.	PPA 8703
To articulate, apply, and advance a public service perspective	Demonstrate understanding of engaging citizens in participatory processes.	PPA 8743
	Understand the policy process (goals, types, criteria, problem definition).	PPA 8903
To communicate and interact productively and in culturally responsive ways with a diverse and changing workforce and society at large	Demonstrate competency in skills, tools, and procedures for managing human resources.	PPA 8713
	Demonstrate competency in professional writing skills/written communication.	PPA 8733
	Demonstrate competency in oral presentation skills/communication.	PPA 8723
	Demonstrate understanding of engaging citizens in participatory processes.	PPA 8743
	Demonstrate ability to identify, compare, and evaluate theories and methods for understanding behavior of people in organizations.	PPA 8703

5. **Effective Date**

May 2022

6. **Contact Person**

Dr. Mike Potter, Associate Professor and Graduate Coordinator
662-325-7852 • mp2146@msstate.edu

7. **Letters of Support**

See attachments for letters of support from PSPA, MGT, EPY.

8. **IHL Form**

PPA Courses

PPA 7000 Directed Individual Study in Political Science and Public Administration: 1-6 hours.
Hours and credits to be arranged

PPA 8103 Seminar in Public Administration: 3 hours.
(Prerequisite: consent of instructor). Detailed examination of the major elements of the field of public administration, with particular emphasis on emerging trends in the field

PPA 8133 City and County Management: 3 hours.
Seminar focus on small town and county management in quasi-bureaucratic settings. Detailed consideration of problem solving capabilities as they relate to different forms of local government structure

PPA 8193 Seminar in Intergovernmental Relations: 3 hours.
(Prerequisite: 9 hours of graduate work). Three hours lecture. Examines the current day functioning of the American federal system. Focuses upon national-state, national-local, interstate, state-local and interlocal relationships as well as fiscal federalism

PPA 8400 Public Administration Internship: 1-6 hours.
(Prerequisite: Consent of instructor). Hours and credits to be arranged. Individual work experience under faculty guidance in a governmental or public agency. Scholarly paper on approved topic required. Student evaluations are assigned on satisfactory/unsatisfactory basis

PPA 8703 Government Organization and Administrative Theory: 3 hours.
Detailed survey of organization theories and managerial techniques as they relate to the public sector

PPA 8713 Public Personnel Management: 3 hours.
Course considers major developments in the issues and management practices affecting personnel such as affirmative action, unions, and civil service reforms

PPA 8723 Public Budgeting and Financial Management: 3 hours.
Analysis of current financial and budgetary techniques as they apply to the public sector. Capital budgeting, debt administration, and financial management

PPA 8733 Public Program Evaluation: 3 hours.
Techniques and analytical methods of assessing governmental program success. Special emphasis will be given to program designs, data collection and quantitative applications

PPA 8743 Administrative Law: 3 hours.
(Prerequisite: PS 4703/6703). Three hours lecture. An environmental study of the legal nature and effect of policies and attitudes of government toward business, especially the power and limitations of regulatory agencies

PPA 8803 Research Methods for Public Affairs: 3 hours.
Stress on research designs and methods, survey research and other techniques and measuring data. Focus on applied approaches for mathematically analyzing governmental data. (Same as PS 8803)

PPA 8833 Systems in Public Administration: 3 hours.
(Prerequisite: BIS 1013, CS 1013, TKT 4273/6273, or equivalent). Three hours lecture. Role of automated, computer-based systems in government; their impact on the workplace, government institutions, and the governmental systems; selected topical applications

PPA 8903 Public Policy: 3 hours.
Nature, determinants, and effects of public goods and services; policy formulation and implementation; seminar emphasizes contemporary issues such as strategic planning, leadership, and managerial control. (Same as PS 8903)

PPA 8983 Integrative Capstone: 3 hours.
(Prerequisites: Consent of Instructor).Three hours lecture. A groups-based consulting project on an issue currently facing a governmental or nonprofit organization. (should be taken in terminal semester of degree program)

PPA 8990 Special Topics in Political Science and Public Administration: 1-9 hours.
Credit and title to be arranged. This course is to be used on a limited basis to offer developing subject matter areas not covered in existing courses. (Courses limited to two offerings under one title within two academic years)

Elective Courses

MGT 8103 Strategic and Entrepreneurial Management: 3 hours.
This course focuses on how organizations create sustained competitive advantages through environmental scanning, strategic thinking, strategic communication and a commitment to action

MGT 8113 Leadership Skills for Managerial Behavior: 3 hours.
Three hours lecture. Survey of major behavioral skills used by managers to help them build human capital and influence behavior in an organizational setting

EDF 8443 Evaluation of School Programs: 3 hours.
Three hours lecture. The course provides an overview of evaluation as an inquiry process. Frameworks and models for planning evaluation studies are discussed and applications are demonstrated

EPY 6033 Application of Learning Theories: 3 hours.
(Prerequisite: EPY 3513 or permission of instructor). Three hours lecture. Critical review of literature on learning in applied settings

EPY 6073 Personal and Motivational Factors in Education: 3 hours.
Three hours lecture. Theories of personality development and motivation in education settings with special attention to culture and interpersonal relations

EPY 6214 Educational and Psychological Statistics: 4 hours.
Three hours lecture and three hours laboratory. A course in statistics for education and educational psychology majors. Analysis, description of and inference from various types of data

EPY 8214 Intermediate Educational and Psychological Statistics: 4 hours.
(Prerequisite: EPY 4214/6214 or its equivalent.) Three hours lecture and three hours laboratory. ANOVA techniques and regression analysis are discussed with emphasis upon the design and analysis of research problems in education and psychology

EPY 8253 Child & Adolescent Development & Psychopathology: 3 hours.
Three hours lecture. Critical survey of recent problems, methods, and research in both the normal and abnormal psychological development of children and adolescents

Appendix 10: Report of Intent to Offer an Existing Degree Program by Distance Learning
(Submit Appendix 10 in PDF format with signatures)

Institution:

Date of Initial Program Approval:	**Date of Implementation:**	**Cost to Offer by Distance Learning:**
Prior to 2000	05/2022	$24,000

Program Title as It Appears on Academic Program Inventory, Diploma, and Transcript:

Master of Public Policy and Administration

Six-Digit CIP Code(s) & Four-Digit Sequence Code(s):

440401 &4059

CIP & Sequence codes: IHL Active Program Inventory

Degree(s) to be Awarded:
Master of Public Policy and Administration

Credit Hour Requirements: 42

Can this program be completed entirely online? X☐ Yes ☐ No

Will this program require separate admission from those offered on-campus? X☐ Yes ☐ No

Responsible Academic Unit(s):
Department of Political Science and Public Administration

Institutional Contact: Dr. Mike Potter
Phone: 662-325-7852
Email:mp2146@msstate.edu

Number of Students Expected to Enroll in First Five Years:

Year One	2
Year Two	6
Year Three	6
Year Four	10
Year Five	12
Total	36

Number of Graduates Expected in First Five Years:

Year One	0
Year Two	2
Year Three	6
Year Four	6
Year Five	10
Total	24

Program Summary:
The M.P.P.A. is a professional degree that trains students to be leaders in public and non-profit organizations. The program of graduate study is offered in the Department of Political Science and Public Administration and teaches budgeting, leadership, policy analysis, and program evaluation. The program of study of a Master of Public Policy and Administration degree includes advanced courses in Public Affairs (24 hours), Research Methods (3 hours), an internship (3 hours)and elective courses (12 hours) selected based on student's career goals and interests. Students develop their program of study in consultation with their graduate coordinator.

_____ _____
Chief Academic Officer Signature **Date**

_____ _____
Institutional Executive Officer Signature **Date**

MISSISSIPPI STATE UNIVERSITY

Department of Political Science and Public Administration
456 Hardy Avenue
P.O. Box PC
Mississippi State, MS
39762

August 1, 2021

University Committee on Courses & Curricula
218 Garner Hall
Mailstop 9702
Mississippi State University

UCCC Committee,

The Department of Political Science and Public Administration faculty is seeking approval of offering the Masters of Public Policy and Administration through distance. A resolution to this effect was voted unanimously (approved) through a vote by the faculty on 2/5/2021. Distance components to all necessary course-work has been approved.

Please don't hesitate to contact me if additional information is needed.

Sincerely,

Mike Potter
Graduate Coordinator
Associate Professor

P.Edward French
MPPA Curriculum Committee Member
Professor

Dragan
Dragan Stanisievski
MPPA Curriculum Committee Member
Associate Professor

Sawsan Abutabenjeh
Sawsan Abutabenjeh
MPPA Curriculum Committee Member
Associate Professor

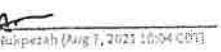
Christine Rush
MPPA Curriculum Committee Member
Associate Professor

Julius Nukpezah
Julius Nukpezah
MPPA Curriculum Committee Member
Assistant Professor

Tamara Markoski
Tamara Markoski
MPPA Curriculum Committee Member
Assistant Professor

Signature: 

Email: dstanisevski@pspa.msstate.edu

Signature: 

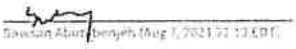
Email: jnukpezah@pspa.msstate.edu

Signature:

Email: crush@pspa.msstate.edu

Signature: Tamara Markoski

Email: tamara.markoski@msstate.edu

Signature: 

Email: sawsan.abutabenjeh@msstate.edu

Signature:

Email: efrench@pspa.msstate.edu

APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

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

College: Arts & Sciences **Department:** Gender Studies

Contact Person: Kimberly Kelly **Mail Stop:** 9744 **E-mail:** kk435@msstate.edu
Nature of Change: New Minor **Date Initiated:** 07/23/21 **Effective Date:** Summer 2022
Current Degree Program Name: N/A

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

New Degree Program Name: Minor in Social Justice Studies

Major: **Concentration:**

Summary of Proposed Changes:

Addition of an interdisciplinary minor in Social Justice Studies.

Approved:	Date:
Department Head	11/23/2021
Chair, College or School Curriculum Committee	12/23/21
Dean of College or School	1/5/2022
Chair, University Committee on Courses and Curricula	3/11/2022
Chair, Graduate Council(if applicable)	
Chair, Deans Council	23rd March 2022

Proposal for Minor in Social Justice Studies

Summary of Proposed Changes

The Minor in Social Justice Studies is designed for students who seek to learn about the causes and consequences of various social problems and strategies for addressing social inequalities. The minor will allow students with various majors to engage in the inter-disciplinary study of social justice and will prepare them for personal and professional civic engagement. As an interdisciplinary minor, this program does not have a singular core content area; rather, the coursework for the minor finds its coherence in a common emphasis on community-engaged learning and applied research into social inequalities. Students will benefit from a program of study that allows them to explore multiple social inequalities, focus on areas of particular individual interest, develop applied and community-engaged skills, and connect with communities engaged in efforts to pursue social change.

1. Catalog Description

Social justice studies is an interdisciplinary field that examines the causes and consequences of social inequities; types and forms of social change; and applied approaches to advancing social justice and equity. Social justice studies examines both the historical roots and contemporary forms of injustice and emphasizes applied and community-engaged learning as well as more traditional academic study.

Administration

The Social Justice Studies minor is housed in the College of Arts & Sciences and administered by the Director of Gender Studies. Participating programs include Gender Studies and African American Studies, as well as the departments of Anthropology, Communication, English, Geosciences, History, Philosophy & Religion, Political Science, Psychology, and Sociology.

2. Curriculum Outline

PROPOSED New Minor	
Minor: Social Justice Studies	
Undergraduate students would earn a Social Justice Studies minor by completing 18 credits of course work from a variety of fields distributed as follows: No more than 6 total hours may be at the 1000 or 2000 level. The remaining hours must be 3000 or 4000 level.	
Proposed Curriculum Outline	Required Hours
GS/SO/SJ 1303 Introduction to Social Justice Studies	3
Causes and Consequences of Social Injustice: AAS 1103 Introduction to African American Studies AAS/HI 3013 African American History AAS/HI 3023 African American History since 1865 AAS/SO/CRM 3353 Race, Crime and Justice AAS/HI 4363 African-American History and Culture AAS/AN/SO 2203 Introduction to Race and Ethnicity AAS 4643 Race and the Media AN/SO AN 4173 Environment and Society AN 4323 Plagues and People AN 4333 Anthropology of Violence	6

CO 4323 Mass Media and Society CO/SO/AAS 4643 Race and Media CRM 2003 Crime, Justice, and Inequality CRM 3363 Globalization and Crime CRM 3503 Violence in the United States CRM 4253 White Collar and Elite Deviance CRM/SO 4523 Law and Society CRM/SO 4233 Juvenile Delinquency CRM/SO 4243 Drugs, Crime and Control CRM/SO 4323 Victimology CRM/SO 4343 Media, Crime and Justice EN/AAS 2363 Introduction to African American Literature EN 4333: Southern Literature EN/AAS 4343 Studies in African American Literature EN/AAS 4393 Postcolonial Literatures and Theory GS/AAS/HI 3713 History of African American Women GS/CO 4233 Gender and Media GS/CO 4263 Gender Communication GS/SO/AN 1173 Introduction to Gender Studies GS/PS 3033 Gender and Politics GS 3343/CRM 3343 Gender, Crime, and Justice GS/EN 3513 Women and Literature GS/SO/EN 4133 Feminist Theories GS 4413/SO 4403 Sociology of Gender and Sexuality GS/SO 4503 Gender and Work GS/SO/SW 4543 Gender and Food* GR 2013 Human Geography GR 4123 Urban Geography GR 4263 Geographies of the US South HI 3333 Mississippi History HI 4273 Women in American History HI 4283 History of Southern Women HI 4293 History of Gender and Science HI 4343 Immigration and Ethnicity in the United States HI 4393 Rural America PHI 3183 African American Philosophy PHI 3313 Environmental Ethics PHI 3173 Social and Political Philosophy PS 4523 Democracy and Inequality PS 4643 Ethnic Conflict PS 4653 Nationalism PSY 3203 Psychology of Gender Differences PSY 4223 Drug Use and Abuse REL 3103 Religion & U.S. Culture REL 3113 Religions and Environment REL 3143 African American Religious Experience SO 1103 Contemporary Social Problems SO 3003 Social Inequality SO 3503 Violence in the United States SO 4273 Sociology of Education SO 4423 Health and Society SO 4703 Population Problems and Processes SW 2303 Social Welfare Policy I SW 2323 Social Welfare Policy II SW 3003 Social Work with At-Risk Populations*	
Applied Learning and Social Change: AAS/PS 3043 Modern Civil Rights Law AAS/PS 4273 African American Politics	6

AAS/HI 4373 History of the Modern Civil Rights Movement AAS 4383 African American Leadership in the Twentieth Century AAS/HI 4983 African Americans and the Law AN 3343 Introduction to Forensic Anthropology CO 4213 Political Communication* CO 4253 Elements of Persuasion* CO 4273 Intercultural Communication* CO 4283 Health Communication* CO 4313 Mass Media Law CO 4043 Communication and Leadership* CO 4803 Research in Public Relations and Advertising* CO 4813 Public Relations in Organizations* CRM 4153 Mentoring for At-Risk Youths* GG 4543 Community Engagement in Environmental Geoscience* GS/SO/AAS 4143 Gender, Race, and Social Movements HI 3343 Delta History Service and Experiential Spring Break* PS 3013 Political Leadership PS 3063 Constitutional Powers PS 3073 Civil Liberties PS 3183 Law and Politics PS 3193 Intergovernmental Relations PS 4113 State Government PS 4163 The Chief Executive PS 4173 Legislative Process PS 4183 Judicial Process PS 4193 Mississippi Judicial System PS 4203 Political Parties and Electoral Problems PS 4213 Campaign Politics PS 4223 The Dynamics of American Democracy PS 4233 Interest Groups PS 4243 State Election Policy and Politics PS 4263 Mississippi Government and Politics PS 4293 Political Behavior PS 4393 The Global Context PS 4633 Democracy and Democratization PS 4464 Political Analysis*(4 hours) PS 4743 Environmental Policy PSY 2123 Perspectives on Child Maltreatment and Child Advocacy PSY 3123 Global Child Advocacy Issues PSY 4133 Multidisciplinary Responses to Child Maltreatment/Trauma* SW 2313. Introduction Social Work and Social Welfare	
SJ 4993 Social Justice Minor Capstone*[1]	3
* Indicates applied or community-engaged learning course. Students must take at least one community-engaged learning course in addition to the Capstone to fulfill minor requirements. Students may petition the minor advisor to count courses not on this list as appropriate. [1]Indicates course will be proposed to UCCC for approval. Only 9 hours from a single department may be counted toward the minor. At least 12 hours must be 3000-4000 level.	--
Total Hours	18

3. Justification and Learning Outcomes

Justification

Social justice studies offers an interdisciplinary approach to understanding the causes and consequences of unjust social institutions, theoretically rigorous explorations of belief systems and practices that contribute to inequality, and empirically informed evaluation of social change solutions and strategic interventions. Evaluating social inequalities through the lens of multiple disciplines and the commitment to applied study are core strengths of this academic discipline. Social justice studies also facilitates the exchange of ideas and critically thinking about local and global ideals of justice.

The increased focus on racial and other forms of injustice makes social justice studies an increasingly relevant field, both in terms of students' intellectual curiosity as well as employers' expectations that employees possess strong backgrounds in cultural competence and an appreciation and understanding of diversity, equity, and inclusion (DEI). Students would benefit from a program that allows them to explore numerous social inequalities, pursue in-depth study of specific forms of injustice, and helps them utilize practical skills and strategies for the pursuing social change. The Social Justice Studies minor will also connect students to a network of individual change-makers and advocacy organizations. Many of the social inequalities covered in social justice studies are especially relevant to students seeking to work and live in Mississippi or the Southeastern U.S. This minor will offer students problem-solving skills and real-world learning opportunities that encourage them to invest in their local communities.

By design, social justice studies is an interdisciplinary scholarly orientation. It operates from the assumption that multiple research methodologies and disciplinary lenses must be brought to bear on persistent problems of inequality and injustice. For this reason, the minor's coherence comes from the common scholarly orientations of *empirical studies of social inequality* and of *applied research and community-engaged learning for social change*. While the courses within these two categories may come from any number of disciplines, they are all similarly oriented to preparing students to apply research on social inequality for the purpose of pursuing more socially just solutions.

Relation to Existing Curriculum

Mississippi State University's Gender Studies minor, African American Studies minor, Sociology major, and Sociology minor also include a number of courses included in the Social Justice Studies minor. Duplication, however, is not a concern because (1) the introductory and capstone courses (6 hours) for the Social Justice Studies minor do not count toward any other minor or major, except as a free elective; (2) students may take no more than six hours in any one discipline; and (3) none of the other minors listed above have an applied or community-engaged learning component. These two features of the Social Justice Studies minor, along with its much broader scope of topics, work to ensure students are crafting unique courses of study and not mirroring others.

The Gender Studies minor and African American Studies minor allow students to explore social inequalities with a focus on sexism and racism. In contrast, a Social Justice Studies minor will enable students to explore more sources of inequality yet develop and explore areas of personal or professional interest. Sociology majors and minors can explore a range of social problems and inequalities, yet sociology does not explicitly focus on applied or community-engaged learning. Students enrolled in this minor will examine the historical, political, social, economic, and cultural factors contributing to all forms of injustice. However, they will also learn practical and applied problem-solving skills that will help them pursue social justice in other fields of study or careers. A program that allows students to

explore a broader range of social inequalities, understand these inequalities as connected, and provides students with practical skills and strategies for addressing social injustice is directly beneficial to students with various majors and career interests.

Learning Outcomes

Undergraduate students understand the causes and consequences of social injustices, processes of social change toward a more justice-oriented society, and applied practices towards alleviating social inequities.

Students who satisfy all requirements for this minor will:

- Demonstrate an understanding of major theories and methods utilized in social justice studies.
- Analyze how historical, political, social, economic, and cultural factors contribute to social inequalities and injustices.
- Demonstrate an understanding of the impact and effects of social injustices.
- Explore how social inequalities and injustices intersect and overlap.
- Apply theories and methods of social justice studies to understand differences in social problems locally and nationally.
- Demonstrate an understanding of the history and impact of social justice movements and activism.
- Explore the values and ethics that ground a commitment to social justice, diversity, and equity.
- Engage in innovative, analytical, and ethically informed problem-solving strategies that promote social justice in personal and professional settings.
- Apply social justice concepts to activism and advocacy work.
- Apply theories and methods of social justice studies to evaluate the effectiveness of different problem-solving strategies.

4. Support

Please see the attached letters of support from the directors of Gender Studies, African American Studies, and Social Work, as well as the heads from the departments of Anthropology, Communication, English, Geosciences, History, Philosophy & Religion, Political Science, Psychology, and Sociology.

5. Proposed 4-Letter Abbreviation

SJST

6. Effective Date

Summer 2022

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES
Gender Studies Program

P.O. Box 5226
208 Allen Hall
Mississippi State, MS 39762

www.genderstudies.msstate.edu

October 18, 2021

Members of the UCCC:

The Gender Studies Program supports the new minor in Social Justice Studies.

I have reviewed the proposal and support the utilization of GS courses in this project. I understand that the minor in Social Justice Studies may include the following courses, which are part of the typical course rotation.

- GS 1173 Introduction to Gender Studies **cross-listed AN/SO*
- GS 3033 Gender and Politics **cross-listed PS*
- GS 3343 Gender, Crime and Justice **cross-listed CRM/SO*
- GS 3513 Women and Literature **cross-listed EN*
- GS 3713 History of African American Women **cross-listed AAS/HI*
- GS 4133 Feminist Theories **cross-listed EN/SO*
- GS 4143 Gender, Race and Social Movements **cross-listed AAS/SO*
- GS 4233 Gender and Media **cross-listed CO*
- GS 4263 Gender Communication **cross-listed CO*
- GS 4413 Sociology of Gender and Sexuality **cross-listed SO 4403*
- GS 4503 Gender and Work **cross-listed SO*
- GS 4543 Gender and Food **cross-listed SO/SW*

Sincerely,

Dr. Kimberly Kelly
Director, Gender Studies
Associate Professor, Department of Sociology

MISSISSIPPI STATE UNIVERSITY

College of Arts & Sciences
Dean's Office

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

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

September 15, 2021

Members of the UCCC:

The African American Studies Program supports the new minor in Social Justice Studies.

I have reviewed the proposal and support the utilization of AAS courses in this project. I understand that the minor in Social Justice Studies may include the following courses, which are part of the typical course rotation.

- AAS 1063 Introduction to African American Studies
- AAS 2203 Introduction to Race and Ethnicity **cross-listed AN/SO*
- AAS 2363 Introduction to African American Literature **cross-listed EN*
- AAS 3013 African American History **cross-listed HI*
- AAS 3023 African American History since 1865 **cross-listed HI*
- AAS 3043 Modern Civil Rights Law **cross-listed PS*
- AAS 3353 Race, Crime and Justice **cross-listed CRM/SO*
- AAS 3713 History of African American Women **cross-listed GS/HI*
- AAS 4143 Gender, Race and Social Movements **cross-listed GS/SO*
- AAS 4273 African American Politics **cross-listed PS*
- AAS 4343 Studies in African American Literature **cross-listed EN*
- AAS 4363 African American History and Culture **cross-listed HI*
- AAS 4373 History of the Modern Civil Rights Movement **cross-listed HI*
- AAS 4383 African American Leadership in the Twentieth Century
- AAS 4393 Postcolonial Literature and Theory **cross-listed EN*
- AAS 4643 Race and the Media **cross-listed CO/SO*
- AAS 4983 African Americans and the Law **cross-listed HI*

Sincerely,

Dr. Don Shaffer
Director, African American Studies
Associate Professor, Department of English

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES
Social Work Program

P.O. Box C
456 Hardy Road/207 Bowen Hall
Mississippi State, MS 39762

P. 662.325.2495
F. 662.325.4564
www.sociology.msstate.edu

Dear Chair, University Committee on Courses and Curriculum,

Please accept this letter of support for the Minor in Social Justice Studies. The Social Work Program offers several courses that align with this minor. We propose that the following courses be included in the curriculum.

Causes and Consequences category

- SW 2303- Social Welfare Policy I
- SW 2323- Social Welfare Policy II)
- SW 3003-Social Work with At-Risk Populations

Applied and Community-Engaged Learning category

- SW 2313 Introduction to Social Work and Social Welfare

We voted on this proposal at the Department of Sociology faculty meeting on Friday, November 5, 2021, and had majority support from faculty members. Please contact Dr. Kenya Cistrunk, Chair of the Social Work Program Curriculum and Policy Committee, if you have any further questions.

Sincerely,
Social Work Curriculum and Policy Committee
Department of Sociology, Criminology and Social Work

Laura Boltz,

Kenya M. Cistrunk

Jada Johnson

Veronica Knowles

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES
ANTHROPOLOGY AND MIDDLE EASTERN CULTURES

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

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

October 25, 2021

Dr. Kimberly Kelly
Director of Gender Studies
Mississippi State University

Dear Dr. Kelly,

I am writing on behalf of the Department of Anthropology and Middle Eastern Cultures (AMEC) to confirm that the AMEC Curriculum Committee has reviewed the Minor in Social Justice Studies proposal and has agreed to support it.

Thank you for including anthropology courses in your minor proposal and we wish you much success in your endeavor.

Should you need additional information, please do not hesitate to contact me.

Sincerely,

Dr. Hsain Ilahiane
Department Head, Professor

Dr. Anna Osterholtz
Chair, AMEC Curriculum Committee, Assistant Professor

D. Shane Miller

Dr. Shane Miller
AMEC Curriculum Committee Member, Associate Professor

Laura K. McClellan

Dr. Kate McClellan
AMEC Curriculum Committee Member, Assistant Professor

MISSISSIPPI STATE UNIVERSITY

College of Arts & Sciences
Department of Communication

P.O. Box PF
216 President's Circle
Mississippi State, MS 39762

P. 662.325.3320
F. 662.325.3210
www.comm.msstate.edu

October 26, 2021

Dear Curriculum Committees:

The curriculum committee of the Department of Communication has met and is pleased to write a support letter in favor of the proposed minor in Social Justice Studies housed by Gender Studies. We feel the Communication classes listed in the proposal are a good fit for this minor and we are happy to be involved with it.

Faculty Member	Approve	Disapprove	Abstain
Wendy Roussin, MFA *Associate Professor & Chair*	X		
Kevin William, PhD *Associate Professor*	X		
Melody Fisher, PhD *Associate Professor*	X		
Holli Seitz, PhD *Assistant Professor*	X		
Matthew Webb, MFA *Assistant Clinical Professor*	X		
Cheryl Chambers, MA *Instructor*	X		
Chris Misun, MS *Instructor*	X		

MISSISSIPPI STATE UNIVERSITY™
DEPARTMENT OF ENGLISH

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

FROM: Ted Atkinson
Chair, Department of English Curriculum Committee

RE: Proposed Social Justice Studies Minor

DATE: October 21, 2021

Today the Department of English Curriculum Committee voted unanimously to support the proposed minor in Social Justice Studies with the inclusion of the following courses from our department among the options for fulfilling the requirements:

AAS/EN 2363 Introduction to African American Literature
AAS/EN 4343 Studies in African American Literature
EN/GS 3513 Women and Literature
EN/GS/SO 4133 Feminist Theories
EN 4333 Southern Literature
EN 4393 Postcolonial Literature and Theory

Committee members:

Shalyn Claggett

Taylor Garner

Ginger Pizer

Andrea Spain

Ann Spurlock

MISSISSIPPI STATE UNIVERSITY

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

October 12, 2021

Dear Curriculum Committee Chair,

The Department of Geosciences Curriculum Committee has reviewed the newly proposed Minor in Social Justice Studies, and we fully support the minor's development and integration into the curriculum. We also fully support the inclusion of some of our classes, specifically GR 2013 Human Geography, GR 4123 Urban Geography, GG 4543 Community Engagement in Environmental Geoscience, and GR 4263 Geographies of the U.S. South, within the proposed minor. We are excited about the future interactions between our departments that will result from this minor and the opportunities it will create for our students. If you have any questions or need additional information, please let us know.

Respectfully,

Andrew Mercer — Digitally signed by Andrew Mercer Date: 2021.10.14 11:56:30 -05'00'

Andrew Mercer (Committee Chair)

Christopher Fuhrmann — Digitally signed by Christopher Fuhrmann Date: 2021.10.15 10:25:21 -05'00'

Chris Fuhrmann (Committee Member)

Christa R. Haney — Digitally signed by Christa R. Haney Date: 2021.10.15 11:05:54 -05'00'

Christa Haney (Committee Member)

Brian Williams — Digitally signed by Brian Williams Date: 2021.10.15 11:14:17 -05'00'

Brian Williams (Committee Member)

Padmanava Dash — Digitally signed by Padmanava Dash Date: 2021.10.15 07:04:18 -05'00'

Padmanava Dash (Committee Member)

Rinat Gabitov — Digitally signed by Rinat Gabitov Date: 2021.10.16 17:52:47 -05'00'

Rinat Gabitov (Committee Member)

Sarah Lalk — Digitally signed by Sarah Lalk DN: cn=Sarah Lalk, o, ou, email=spr67@msstate.edu, c=US Date: 2021.10.15 11:21:49 -05'00'

Sarah Lalk (Committee Member)

Cc: Dr. John C. Rodgers, Head, Department of Geosciences

MISSISSIPPI STATE UNIVERSITY

College of Arts & Sciences
Dean's Office

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

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F. 662.325.8740
www.cas.msstate.edu

October 19, 2021

Members of the UCCC:

The Department of History supports the new minor in Social Justice Studies.

Members of the Department of History Curriculum Committee and I have reviewed the proposal and support the utilization of our courses in this project. We understand that the minor in Social Justice Studies may include the following courses, which are part of our department's typical rotation.

- HI 3013 African American History **cross-listed AAS*
- HI 3023 African American History since 1865 **cross-listed AAS*
- HI 3333 Mississippi History
- HI 3343 Delta History Service and Experiential Spring Break
- HI 3713 History of African American Women **cross-listed AAS/GS*
- HI 4273 Women in American History
- HI 4283 History of Southern Women
- HI 4293 History of Gender and Science
- HI 4343 Immigration and Ethnicity in the United States
- HI 4363 African American History and Culture **cross-listed AAS*
- HI 4373 History of the Modern Civil Rights Movement **cross-listed AAS*
- HI 4393 Rural America
- HI 4983 African Americans and the Law **cross-listed AAS*

Sincerely,

Dr. Alan Marcus
Professor and Head
Department of History

Dr. Matthew Lavine
Associate Professor of History
Chair, Undergraduate Curriculum Committee (on behalf of its members)

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES
Department of Philosophy & Religion

J. Robert Thompson, Head
George Hall 1010
233 Lee Blvd
P.O. Box JS
Mississippi State, MS 39762

P. 662.325.2161
F. 662.325.3340
www.philosophyandreligion.msstate.edu

September 15, 2021

Members of the UCCC:

The Department of Philosophy and Religion supports the new minor in Social Justice Studies.

Members of the Department of Philosophy and Religion Curriculum Committee and I have reviewed the proposal and support the utilization of our courses in this project. We understand that the minor in Social Justice Studies may include the following courses, which are part of our department's typical rotation.

- PHI 3173 Social and Political Philosophy
- PHI 3183 African American Philosophy
- PHI 3313 Environmental Ethics
- REL 3103 Religion and U.S. Culture
- REL 3113 Religions and Environment
- REL 3143 African American Religious Experience

Sincerely,

J. Robert Thompson, Ph.D.
Head
Department of Philosophy and Religion

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES
Department of Political Science and
Public Administration

P.O. Box PC
456 Hardy Rd.,
105 Bowen Hall
Mississippi State, MS 39762

P. 662.325.2711
F. 662.325.2716
www.pspa.msstate.edu

October 8, 2021

Members of the UCCC:

The Department of Political Science and Public Administration supports the new minor in Social Justice Studies.

Members of the Department of Political Science and Public Administration Curriculum Committee and I have reviewed the proposal and support the utilization of our courses in this project. We understand that the minor in Social Justice Studies may include the following courses, which are part of our department's typical rotation.

- PS 3013 Political Leadership
- PS 3033 Gender and Politics **cross-listed GS*
- PS 3043 Modern Civil Rights Law **cross-listed AAS*
- PS 3063 Constitutional Powers
- PS 3073 Civil Liberties
- PS 3183 Law and Politics
- PS 3193 Intergovernmental Relations
- PS 4113 State Government
- PS 4163 The Chief Executive
- PS 4173 Legislative Process
- PS 4183 Judicial Process
- PS 4193 Mississippi Judicial System
- PS 4203 Political Parties and Electoral Problems
- PS 4213 Campaign Politics
- PS 4223 The Dynamics of American Democracy
- PS 4233 Interest Groups
- PS 4243 State Election Policy and Politics
- PS 4263 Mississippi Government and Politics
- PS 4273 African American Politics **cross-listed AAS*
- PS 4293 Political Behavior
- PS 4393 The Global Context
- PS 4464 Political Analysis
- PS 4523 Democracy and Inequality
- PS 4633 Democracy and Democratization
- PS 4643 Ethnic Conflict
- PS 4653 Nationalism
- PS 4743 Environmental Policy

Sincerely,

Brian Shoup

Dr. Brian Shoup
Associate Professor
Department of Political Science and Public Administration

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS AND SCIENCES
Department of Psychology

P.O. Box 6161
110 Magruder Hall
Mississippi State, MS 39762

P. 662.325.3202
F. 662.325.7212
www.psychology.msstate.edu

October 9, 2021

Dear Members of the UCCC:

The Department of Psychology is delighted to support a proposed minor in *Social Justice Studies*.

Members of the Department of Psychology Curriculum Committee and I have reviewed the proposal for the minor and support the inclusion of our courses. We understand that the minor in *Social Justice Studies* may include the following courses, which are currently part of our department's typical rotation:

- PSY 3203 Psychology of Gender Differences
- PSY 4223 Drug Use and Abuse

We also support the inclusion of the following courses, which are currently undergoing the UCCC vetting process:

- PSY 2123 Perspectives on Child Maltreatment and Child Advocacy*
- PSY 3123 Global Child Advocacy Issues*
- PSY 4133 Multidisciplinary Responses to Child Maltreatment/Trauma*

**cross-listed with HDFS*

Sincerely,

Mitchell E. Berman, Ph.D.
Professor and Department Head

Email: mberman@psychology.msstate.edu
Telephone: 662.325.3666

MISSISSIPPI STATE UNIVERSITY

COLLEGE OF ARTS & SCIENCES

Department of Sociology
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456 Hardy Road/207 Bowen Hall
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P. 662.325.2495
F. 662.325.4564
www.sociology.msstate.edu

October 25, 2021

Dear Chair, University Committee on Courses and Curriculum,

The Department of Sociology supports the new minor in Social Justice Studies. Members of the Undergraduate Curriculum and Policies Committee and the faculty have reviewed the proposal and support the utilization of our courses in this project. We understand that the minor in Social Justice Studies may include the following courses, which are part of our department's typical rotation.

- CRM 2003 Crime, Justice and Inequality
- CRM 3363 Globalization and Crime
- SO 1103 Contemporary Social Problems
- SO 1173 Intro to Gender Studies **cross-listed AN/GS*
- SO 1303 Introduction to Social Justice Studies **cross-listed GS*
- SO 2203 Introduction to Race and Ethnicity **cross-listed AAS/AN*
- SO 3003 Social Inequality
- SO 3343 Gender, Crime and Justice **cross-listed CRM/GS*
- SO 3353 Race, Crime and Justice **cross-listed AAS/CRM*
- SO 3503 Violence in the United States **cross-listed CRM*
- SO 4133 Feminist Theories **cross-listed EN/GS*
- SO 4143 Gender, Race, and Social Movements **cross-listed AAS/GS*
- SO 4153 Mentoring for At-Risk Youths **cross-listed CRM/SLCE*
- SO 4173 Environment and Society **cross-listed AN*
- SO 4233 Juvenile Delinquency **cross-listed CRM*
- SO 4243 Drugs, Crime and Control **cross-listed CRM*
- SO 4253 White Collar Crime and Elite Deviance **cross-listed CRM*
- SO 4273 Sociology of Education
- SO 4323 Victimology **cross-listed CRM*
- SO 4343 Media, Crime and Justice
- SO 4403 Sociology of Gender and Sexuality **cross-listed GS 4413*
- SO 4423 Health and Society
- SO 4503 Gender and Work **cross-listed GS*
- SO 4523 Law and Society **cross-listed CRM*
- SO 4543 Gender and Food **cross-listed GS/SW*
- SO 4643 Race and Media **cross-listed AAS/CO*
- SO 4703 Population Problems and Processes

MISSISSIPPI STATE UNIVERSITY

MSU-MERIDIAN
Division of Arts & Sciences

College Park Campus
1000 Hwy 19 North
Meridian, MS 39307

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11 October 2021

Dr. Andy Perkins, Chair
University Committee on Courses and Curricula
281 Garner Hall
P.O. Box 5268
Mississippi State, MS 39762

Dear Dr. Perkins,

I am pleased to provide a letter of support for the proposed interdisciplinary minor in Social Justice Studies developed by the Gender Studies program in the College of Arts & Sciences. This is a timely and important addition to the curriculum.

Given the demographic profile of the student body at the Meridian Campus (67% female, 42% non-white) and the lived experience of residents in Meridian and surrounding counties, this minor will potentially enjoy broad appeal among a range of Arts & Sciences majors.

Much of the proposed curriculum is currently offered at the Meridian Campus in the regular rotation of courses. We look forward to working with the Gender Studies program to provide access to the new introductory and capstone courses in Social Justice Studies.

Sincerely,

R. V. Damms

Richard V. Damms
Associate Professor of History and Head
Division of Arts & Sciences
MSU-Meridian

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**: Curriculum, Instruction & Sp. Ed.

Contact Person: Dr. Janice Nicholson **Mail Stop:** 9705 **E-mail:** jin4@msstate.edu

Nature of Change: Technical Change **Effective Date:** Fall 2022

Current Degree Program Name: Bachelor of Science

Major: Secondary Education **Concentration**: Biology, Chemistry, English, Mathematics, Physics, Social Studies

New Degree Program Name: N/A **Major**: N/A **Concentration**: N/A

Summary of Proposed Changes:

1. Chemistry Concentration: In order to make sure the 15 hours of General Education Math & Science requirements were met, we removed 3 hours from the electives and added them to the General Education portion of the curriculum. Total hours were updated to 123.
2. English Concentration: Noted that the Fine Arts requirement must be Intro to Theatre (per Mississippi Department of Education)
3. Math Concentration: The Fine Arts requirement was listed twice. Adjusted the science requirements in General Education to include the right Physical Science hours and courses. Writing For Thinking was replaced with Public Speaking to meet program total hour requirements.
4. Social Studies Concentration: The Fine Arts Requirement was listed twice. Added World Geography back to the curriculum and updated total hours.

Approved: **Date:**

J Nicholson — 1.11.2022
Department Head

Teresa Joyce — 1-11-2022
Dean of College or School

[signature] — 3/11/2022
Chair, University Committee on Courses and Curricula

Peter L. Ryan — 23rd March, 2022
Chair, Deans Council

Secondary Education Modification (SEED)

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Science Major: Secondary Education (SEED)	Degree: Bachelor of Science Major: Secondary Education (SEED)
The purpose of the Secondary Education major is to prepare students to teach the academic subjects in grades 7-12 by providing professional courses and experiences for those desiring to teach at the middle and high school levels. *The Secondary Education program is designed to lead teacher candidates to a 7-12 licensure in English, Mathematics, Biology, Chemistry, Physics, or Social Studies, and to K-12 licensure in the teaching of foreign languages.* Degree programs include pedagogy courses that require field experiences in middle and high schools, as well as opportunities to master content area pedagogy. The secondary education degree culminates in a semester-long student teaching internship in a middle or high school classroom.	The purpose of the Secondary Education major is to prepare students to teach the academic subjects in grades 7-12 by providing professional courses and experiences for those desiring to teach at the middle and high school levels. **The Secondary Education program is designed to lead teacher candidates to a 7-12 licensure in English, Mathematics, Biology, Chemistry, Physics, or Social Studies.** Degree programs include pedagogy courses that require field experiences in middle and high schools, as well as opportunities to master content area pedagogy. The secondary education degree culminates in a semester-long student teaching internship in a middle or high school classroom.

BIOLOGY CONCENTRATION DESCRIPTION The Biology Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the National Science Education Standards for prospective teachers at the secondary level (grades 7-12). *Courses designed for non-science majors will not count toward a degree in any area of science education.*		BIOLOGY CONCENTRATION DESCRIPTION The Biology Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the National Science Education Standards for prospective teachers at the secondary level (grades 7-12).	
CURRENT Curriculum Outline	Req. Hours	PROPOSED Curriculum Outline	Req. Hours
English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3	English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3
Fine Arts (Gen Ed)	3	Fine Arts (Gen Ed)	3
Natural Sciences (see content area)		Natural Sciences (see content area)	
Extra Science (see content area)		Extra Science (see content area)	
Math (Gen Ed): MA 1313 College Algebra ST 3123 Introduction to Statistical Inference	 3 3	Math (Gen Ed): MA 1313 College Algebra ST 3123 Introduction to Statistical Inference	 3 3
Humanities (Gen Ed)	6	Humanities (Gen Ed)	6
Social/Behavioral Sciences (Gen Ed)	6	Social/Behavioral Sciences (Gen Ed)	6
Total	27	Total	27

Major Core Courses		Major Core Courses	
EPY 3143 Human Dev & Learning	3	EPY 3143 Human Dev & Learning	3
EDX 3213 Exceptional Child/Youth	3	EDX 3213 Exceptional Child/Youth	3
EDF 3333 Social Foundations	3	EDF 3333 Social Foundations	3
EDS 3413 Principles of Secondary Education	3	EDS 3413 Principles of Secondary Education	3
RDG 3513 Developing Reading Strategies in Secondary School Content Areas	3	RDG 3513 Developing Reading Strategies in Secondary School Content Areas	3
EDS 3653 Secondary Science Education	3	EDS 3653 Secondary Science Education	3
EDS 4653 Methods of Teaching Science	3	EDS 4653 Methods of Teaching Science	3
EDS 4873 Seminar in Managing the Secondary Classroom	3	EDS 4873 Seminar in Managing the Secondary Classroom	3
EDS 4403/6403 Evaluation of Learning in Secondary Schools	3	EDS 4403/6403 Evaluation of Learning in Secondary Schools	3
EDS 4886 Teaching Intern in Sec. Ed.	6	EDS 4886 Teaching Intern in Sec. Ed.	6
EDS 4896 Teaching Intern in Sec. Ed.	6	EDS 4896 Teaching Intern in Sec. Ed.	6
Total	39	Total	39

BIO - Concentration Courses		BIO - Concentration Courses	
Choose 57 hours of approved coursework within concentration area. Must include the required subject area core.		Choose 57 hours of approved coursework within concentration area. Must include the required subject area core.	
Required Subject area core - BIED		Required Subject area core - BIED	
BIO 1134 Biology I	4	BIO 1134 Biology I	4
BIO 1144 Biology II	4	BIO 1144 Biology II	4
BIO 3104 Ecology	4	BIO 3104 Ecology	4
BIO 2103 Cell Biology	3	BIO 2103 Cell Biology	3
BIO 3304 General Microbiology	4	BIO 3304 General Microbiology	4
BIO 3103 Genetics	3	BIO 3103 Genetics	3
BIO 4113 Evolutionary Biology	3	BIO 4113 Evolutionary Biology	3
CH 1213 Chemistry I	3	CH 1213 Chemistry I	3
CH 1211 Chemistry I Lab	1	CH 1211 Chemistry I Lab	1
BCH 4013 Principles of Biochemistry	3	BCH 4013 Principles of Biochemistry	3
Total	32	Total	32
Electives approved by advisor that result in a double major or an additional area of licensure.	25	Electives approved by advisor that result in a double major or an additional area of licensure.	25
Concentration Total	57	Concentration Total	57

Oral Communication Requirement Satisfied by the successful completion of EDS 3413 Principles of Secondary Education		Oral Communication Requirement Satisfied by the successful completion of EDS 3413 Principles of Secondary Education	
Computer Literacy Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education		Computer Literacy Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education	
Writing Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education		Writing Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education	
Total Hours	123	Total Hours	123

CHEMISTRY CONCENTRATION DESCRIPTION The Chemistry Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the National Science Education Standards for prospective teachers at the secondary level (grades 7-12). *Courses designed for non-science majors will not count toward a degree in any area of science education*		CHEMISTRY CONCENTRATION DESCRIPTION The Chemistry Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the National Science Education Standards for prospective teachers at the secondary level (grades 7-12).	
CURRENT Curriculum Outline	Req. Hours	PROPOSED Curriculum Outline	Req. Hours
English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3	English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3
Fine Arts (Gen Ed)	3	Fine Arts (Gen Ed)	3
Natural Sciences (see content area)		Natural Sciences (see content area)	
Extra Science (see content area)		**Extra Science or Math (Gen Ed):** **Approved Science or Math**	**3**
Math: MA 1713 Calculus I ST 3123 Intro to Statistical Inference	 3 3	Math: MA 1713 Calculus I ST 3123 Intro to Statistical Inference	 3 3
Humanities (Gen Ed)	6	Humanities (Gen Ed)	6
Social/Behavioral Sciences (Gen Ed)	6	Social/Behavioral Sciences (Gen Ed)	6
Total	*27*	**Total**	**30**

Major Core Courses		Major Core Courses	
EPY 3143 Human Dev & Learning	3	EPY 3143 Human Dev & Learning	3
EDX 3213 Exceptional Child/Youth	3	EDX 3213 Exceptional Child/Youth	3
EDF 3333 Social Foundations	3	EDF 3333 Social Foundations	3
EDS 3413 Principles of Secondary Education	3	EDS 3413 Principles of Secondary Education	3
RDG 3513 Developing Reading Strategies in Secondary School Content Areas	3	RDG 3513 Developing Reading Strategies in Secondary School Content Areas	3
EDS 3653 Secondary Science Education	3	EDS 3653 Secondary Science Education	3
EDS 4653 Methods of Teaching Science	3	EDS 4653 Methods of Teaching Science	3
EDS 4873 Seminar in Managing the Secondary Classroom	3	EDS 4873 Seminar in Managing the Secondary Classroom	3
EDS 4403/6403 Evaluation of Learning in Secondary Schools	3	EDS 4403/6403 Evaluation of Learning in Secondary Schools	3
EDS 4886 Teaching Intern in Sec. Ed.	6	EDS 4886 Teaching Intern in Sec. Ed.	6
EDS 4896 Teaching Intern in Sec. Ed.	6	EDS 4896 Teaching Intern in Sec. Ed.	6
Total	39	Total	39

CHEM - Concentration Courses Choose 57 hours of approved coursework within concentration area. Must include the required subject area core. Required Subject area core		CHEM - Concentration Courses Choose 57 hours of approved coursework within concentration area. Must include the required subject area core. Required Subject area core	
CH 1213 Chemistry I	3	CH 1213 Chemistry I	3
CH 1211 Investigations in Chem I	1	CH 1211 Investigations in Chem I	1
CH 1223 Chemistry II	3	CH 1223 Chemistry II	3
CH 1221 Investigations in Chem II	1	CH 1221 Investigations in Chem II	1
CH 2313 Analytical Chemistry I	3	CH 2313 Analytical Chemistry I	3
CH 2311 Analytical Chem I Lab	1	CH 2311 Analytical Chem I Lab	1
CH 3213 Inorganic Chemistry or CH 4213 Advanced Inorganic Chemistry I	3	CH 3213 Inorganic Chemistry or CH 4213 Advanced Inorganic Chemistry I	3
CH 4513 Organic Chemistry I	3	CH 4513 Organic Chemistry I	3
CH 4511 Organic Chem Lab I	1	CH 4511 Organic Chem Lab I	1
CH 4523 Organic Chemistry II	3	CH 4523 Organic Chemistry II	3
CH 4521 Organic Chem Lab II	1	CH 4521 Organic Chem Lab II	1
BCH 4013 Prin. of Biochemistry	3	BCH 4013 Prin. of Biochemistry	3
Total	26	Total	26
Electives approved by advisor that result in a double major or an additional area of licensure.	*31*	Electives approved by advisor that result in a double major or an additional area of licensure.	**28**
Concentration Total	*57*	**Concentration Total**	**54**

Oral Communication Requirement Satisfied by the successful completion of EDS 3413 Principles of Secondary Education		Oral Communication Requirement Satisfied by the successful completion of EDS 3413 Principles of Secondary Education	
Computer Literacy Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education		Computer Literacy Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education	
Writing Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education		Writing Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education	
Total Hours	123	Total Hours	123

ENGLISH CONCENTRATION DESCRIPTION The English Education Curriculum is designed in accordance with the recommendations and to meet the standards of the National Council of Teachers of English for prospective teachers at the secondary level (grades 7-12).		ENGLISH CONCENTRATION DESCRIPTION The English Education Curriculum is designed in accordance with the recommendations and to meet the standards of the National Council of Teachers of English for prospective teachers at the secondary level (grades 7-12).	
CURRENT Curriculum Outline	Req. Hours	PROPOSED Curriculum Outline	Req. Hours
English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3	English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3
Fine Arts (Gen Ed)	3	Fine Arts (Gen Ed): **CO 1503 Intro to Theatre**	 3
Natural Sciences (Gen Ed): Physical Science with lab Biological Science with lab	 3 3	Natural Sciences (Gen Ed): Physical Science with lab Biological Science with lab	 **3-4** **3-4**
Extra Science or Math (Gen Ed): Approved Science or Math	 3	Extra Science or Math (Gen Ed): Approved Science or Math	 3
Math (Gen Ed): MA 1313 College Algebra or higher Any Math above MA 1313	 3 3	Math (Ged Ed): MA 1313 College Algebra or higher Any Math above MA 1313	 3 3
Humanities (General Ed): HI 1063 Early U.S. History HI 1073 Modern U.S. History	 3 3	Humanities (General Ed): HI 1063 Early U.S. History HI 1073 Modern U.S. History	 3 3

Social/Behavioral Sciences (Gen Ed):	6	Social/Behavioral Sciences (Gen Ed):	6
Total	36	**Total**	**36-38**
Major Core Courses		Major Core Courses	
EPY 3143 Human Dev & Learning	3	EPY 3143 Human Dev & Learning	3
EDX 3213 Exceptional Child/Youth	3	EDX 3213 Exceptional Child/Youth	3
EDF 3333 Social Foundations	3	EDF 3333 Social Foundations	3
EDE 3343 Teaching Adolescent Literature	3	EDE 3343 Teaching Adolescent Literature	3
EDS 3413 Principles of Secondary Education	3	EDS 3413 Principles of Secondary Education	3
RDG 3513 Developing Reading Strategies in Secondary Content Areas	3	RDG 3513 Developing Reading Strategies in Secondary Content Areas	3
EDS 3673 Secondary Language Arts Education	3	EDS 3673 Secondary Language Arts Education	3
EDS 4673 Methods of Teaching Language Arts Education	3	EDS 4673 Methods of Teaching Language Arts Education	3
EDS 4873 Seminar in Managing the Secondary Classroom	3	EDS 4873 Seminar in Managing the Secondary Classroom	3
EDS 4403/6403 Evaluation of Learning in Secondary Schools	3	EDS 4403/6403 Evaluation of Learning in Secondary Schools	3
EDS 4886 Teaching Intern in Sec. Ed.	6	EDS 4886 Teaching Intern in Sec. Ed.	6
EDS 4896 Teaching Intern in Sec. Ed.	6	EDS 4896 Teaching Intern in Sec. Ed.	6
Total	42	Total	42

EN - Content Area		EN - Content Area	
EN 2213 English Lit Before 1800	3	EN 2213 English Lit Before 1800	3
EN 2223 English Lit After 1800	3	EN 2223 English Lit After 1800	3
EN 2243 American Lit Before 1865	3	EN 2243 American Lit Before 1865	3
EN 2253 American Lit After 1865	3	EN 2253 American Lit After 1865	3
EN 2273 World Lit Before 1600 or EN 2283 World Lit after 1600	3	EN 2273 World Lit Before 1600 or EN 2283 World Lit after 1600	3
EN 2434 Literature and Film or EN 3523 Shakespeare and Film	3-4	EN 2434 Literature and Film or EN 3523 Shakespeare and Film	3-4
EN 3414 Critical Writing and Research in Literacy Studies	4	EN 3414 Critical Writing and Research in Literacy Studies	4
EN 3423 Descriptive English Grammar	3	EN 3423 Descriptive English Grammar	3
EN 4503 or EN 4513 Shakespeare	3	EN 4503 or EN 4513 Shakespeare	3
EN 4413 History of the English Language or EN 4403 Introduction to Linguistics or EN 4633 Language and Society	3	EN 4413 History of the English Language or EN 4403 Introduction to Linguistics or EN 4633 Language and Society	3
EN 4323 Literacy Criticism from Plato-Present or EN 4353 Critical Theory Since 1900	3	EN 4323 Literacy Criticism from Plato-Present or EN 4353 Critical Theory Since 1900	3
EN 3000/4000 Elective	3	EN 3000/4000 Elective	3
EN 3000/4000 Elective	3	EN 3000/4000 Elective	3
EN 3000/4000 Elective	3	EN 3000/4000 Elective	3
Total	43-44	Total	43-44

Oral Communication Requirement Satisfied by the successful completion of EDS 3673 Secondary Language Arts Education		Oral Communication Requirement Satisfied by the successful completion of EDS 3673 Secondary Language Arts Education	
Computer Literacy Requirement Satisfied by the successful completion of EDS 4673 Methods of Teaching Language Arts Education		Computer Literacy Requirement Satisfied by the successful completion of EDS 4673 Methods of Teaching Language Arts Education	
Writing Requirement Satisfied by the successful completion of EN 3414 Critical Writing and Research in Literacy Studies		Writing Requirement Satisfied by the successful completion of EN 3414 Critical Writing and Research in Literacy Studies	
Total	*122-123*	**Total**	**121-124**

MATH CONCENTRATION DESCRIPTION The Mathematics Education Curriculum is designed in accordance with the recommendations of the National Council for Teachers of Mathematics for prospective teachers at the secondary level (grades 7-12).		MATH CONCENTRATION DESCRIPTION The Mathematics Education Curriculum is designed in accordance with the recommendations of the National Council for Teachers of Mathematics for prospective teachers at the secondary level (grades 7-12).	
CURRENT Curriculum Outline	Req. Hours	PROPOSED Curriculum Outline	Req. Hours
English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3	English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3
Fine Arts (Gen Ed)	3	Fine Arts (Gen Ed)	3
Math (Gen Ed): MA 1713 Calculus I MA 1723 Calculus II	 3 3	Math (Gen Ed): MA 1713 Calculus I MA 1723 Calculus II	 3 3
Natural Science w/ Lab (Gen Ed): Biological Science w/ Lab Physical Science w/ Lab: (Calculus based PH 2213 or CH 1213 or higher)	 3 6	Natural Science w/ Lab (Gen Ed): Biological Science w/ Lab **Physical Science w/ Lab:** **(Calculus based)** **CH 1213 Chemistry I/CH 1221 Invst Chemistry I or** **CH 1223 Chemistry II/CH 1221 Invst Chemistry II or** **PH 2213 Physics I or** **PH 2223 Physics II or**	 3 6
Humanities (General Ed): HI 1063 Early U.S. History HI 1073 Modern U.S. History	 3 3	Humanities (General Ed): HI 1063 Early U.S. History HI 1073 Modern U.S. History	 3 3
Fine Arts (Gen Ed)	*3*		

Social/Behavioral Sciences (Gen Ed):		Social/Behavioral Sciences (Gen Ed):	
PSY 1013 General Psychology	3	PSY 1013 General Psychology	3
SO 1003 Introduction to Sociology	3	SO 1003 Introduction to Sociology	3
Additional Gen Ed Core:		Additional Gen Ed Core:	
PS 1113 American Government	3	PS 1113 American Government	3
EN Literature Electives	6	EN Literature Electives	6
Total	*48*	**Total**	**45-47**
Major Core Courses		Major Core Courses	
EPY 3143 Human Dev & Learning	3	EPY 3143 Human Dev & Learning	3
EDX 3213 Exceptional Child/Youth	3	EDX 3213 Exceptional Child/Youth	3
EDF 3333 Social Foundations	3	EDF 3333 Social Foundations	3
EDS 3413 Principles of Secondary Education	3	EDS 3413 Principles of Secondary Education	3
RDG 3513 Developing Reading Strategies in Secondary Schools	3	RDG 3513 Developing Reading Strategies in Secondary Schools	3
EDS 3633 Secondary Mathematics Education	3	EDS 3633 Secondary Mathematics Education	3
EDS 4633 Methods of Teaching Mathematics	3	EDS 4633 Methods of Teaching Mathematics	3
EDS 4873 Seminar in Managing the Secondary Classroom	3	EDS 4873 Seminar in Managing the Secondary Classroom	3
EDS 4403/6403 Evaluation of Learning in Secondary Schools	3	EDS 4403/6403 Evaluation of Learning in Secondary Schools	3
EDS 4886 Teaching Intern in Sec. Ed.	6	EDS 4886 Teaching Intern in Sec. Ed.	6
EDS 4896 Teaching Intern in sec. Ed.	6	EDS 4896 Teaching Intern in sec. Ed.	6
Total	39	Total	39
Math Concentration Courses		Math Concentration Courses	

MA 2733 Calculus III	3	MA 2733 Calculus III	3
MA 2743 Calculus IV	3	MA 2743 Calculus IV	3
MA 3053 Foundations of Mathematics	3	MA 3053 Foundations of Mathematics	3
MA/ST 3123 Intro to Statistical Inferences	3	MA/ST 3123 Intro to Statistical Inferences	3
MA 3113 Introduction to Linear Algebra	3	MA 3113 Introduction to Linear Algebra	3
MA 3163 Introduction to Modern Algebra	3	MA 3163 Introduction to Modern Algebra	3
MA 3253 Differential Equations I	3	MA 3253 Differential Equations I	3
MA 3463 Foundations of Geometry	3	MA 3463 Foundations of Geometry	3
MA 3513 History of Mathematics	3	MA 3513 History of Mathematics	3
MA 4523 Introduction to Probability	3	MA 4523 Introduction to Probability	3
CSE 1233 Cmptr Prog-C or CSE 1273 Cmptr Prog-Java	3	CSE 1233 Cmptr Prog-C or CSE 1273 Cmptr Prog-Java	3
Total	33	Total	33
Oral Communication Requirement Satisfied by the successful completion of *EDS 4633 Methods of Teaching Math*		Oral Communication Requirement Satisfied by the successful completion of **CO 1003 Fundamentals of Public Speaking**	**3**
Computer Literacy Requirement Satisfied by the successful completion of CSE 1233 Cmptr Prog-C or CSE 1273 Cmptr Prog-Java		Computer Literacy Requirement Satisfied by the successful completion of CSE 1233 Cmptr Prog-C or CSE 1273 Cmptr Prog-Java	
Writing Requirement Satisfied by the successful completion of *EDF 3413 Writing for Thinking*	*3*	Writing Requirement Satisfied by the successful completion of **EDS 3633 Secondary Mathematics Education**	
Total	*123*	**Total**	**120-122**

PHYSICS CONCENTRATION DESCRIPTION The Physics Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the National Science Education Standards for prospective teachers at the secondary level (grades 7-12). *Courses designed for non-science majors will not count toward a degree in any area of science education.*		PHYSICS CONCENTRATION DESCRIPTION The Physics Education Curriculum is designed in accordance with the recommendations of the National Science Teachers Association and the National Science Education Standards for prospective teachers at the secondary level (grades 7-12).	
CURRENT Curriculum Outline	Req. Hours	PROPOSED Curriculum Outline	Req. Hours
English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3	English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3
Fine Arts (Gen Ed)	3	Fine Arts (Gen Ed)	3
Natural Sciences (see content area)		Natural Sciences (see content area)	
Extra Science (see content area)		Extra Science (see content area)	
Math: MA 1713 Calculus I ST 3123 Intro to Statistical Inference	 3 3	Math: MA 1713 Calculus I ST 3123 Intro to Statistical Inference	 3 3
Humanities (Gen Ed)	6	Humanities (Gen Ed)	6
Social/Behavioral Sciences (Gen Ed)	6	Social/Behavioral Sciences (Gen Ed)	6
Total	27	Total	27

Major Core Courses		Major Core Courses	
EPY 3143 Human Dev & Learning	3	EPY 3143 Human Dev & Learning	3
EDX 3213 Exceptional Child/Youth	3	EDX 3213 Exceptional Child/Youth	3
EDF 3333 Social Foundations	3	EDF 3333 Social Foundations	3
EDS 3413 Principles of Secondary Education	3	EDS 3413 Principles of Secondary Education	3
RDG 3513 Developing Reading Strategies in Secondary School Content Areas	3	RDG 3513 Developing Reading Strategies in Secondary School Content Areas	3
EDS 3653 Secondary Science Education	3	EDS 3653 Secondary Science Education	3
EDS 4653 Methods of Teaching Science	3	EDS 4653 Methods of Teaching Science	3
EDS 4873 Seminar in Managing the Secondary Classroom	3	EDS 4873 Seminar in Managing the Secondary Classroom	3
EDS 4403/6403 Evaluation of Learning in Secondary Schools	3	EDS 4403/6403 Evaluation of Learning in Secondary Schools	3
EDS 4886 Teaching Intern in Sec. Ed.	6	EDS 4886 Teaching Intern in Sec. Ed.	6
EDS 4896 Teaching Intern in Sec. Ed.	6	EDS 4896 Teaching Intern in Sec. Ed.	6
Total	39	Total	39

PH - Concentration Courses		PH - Concentration Courses	
Choose 57 hours of approved coursework within concentration area. Must include the required subject area core.		Choose 57 hours of approved coursework within concentration area. Must include the required subject area core.	
Required Subject area core:		Required Subject area core:	
PH 1063 Descriptive Astronomy	3	PH 1063 Descriptive Astronomy	3
PH 2213 Physics I	3	PH 2213 Physics I	3
PH 2223 Physics II	3	PH 2223 Physics II	3
PH 2233 Physics III	3	PH 2233 Physics III	3
PH 4213 Intermediate Mechanics I	3	PH 4213 Intermediate Mechanics I	3
PH 4143 Intermediate Laboratory	3	PH 4143 Intermediate Laboratory	3
CH 1213 Chemistry I	3	CH 1213 Chemistry I	3
CH 1211 Investigations in Chem. I	1	CH 1211 Investigations in Chem. I	1
MA 1723 Calculus II	3	MA 1723 Calculus II	3
MA 2733 Calculus III	3	MA 2733 Calculus III	3
Total	28	Total	28
Electives approved by advisor that result in a double major or an additional area of licensure.	29	Electives approved by advisor that result in a double major or an additional area of licensure.	29
Concentration Total	57	Concentration Total	57

Oral Communication Requirement Satisfied by the successful completion of EDS 3413 Principles of Secondary Education		Oral Communication Requirement Satisfied by the successful completion of EDS 3413 Principles of Secondary Education	
Computer Literacy Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education		Computer Literacy Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education	
Writing Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education		Writing Requirement Satisfied by the successful completion of EDS 3653 Secondary Science Education	
Total Hours	123	Total Hours	123

SOCIAL STUDIES CONCENTRATION DESCRIPTION The Social Studies Education Curriculum is designed in accordance with the recommendations and to meet the standards of the National Council for the Social Studies for prospective teachers at the secondary level (grades 7-12).		SOCIAL STUDIES CONCENTRATION DESCRIPTION The Social Studies Education Curriculum is designed in accordance with the recommendations and to meet the standards of the National Council for the Social Studies for prospective teachers at the secondary level (grades 7-12).	
CURRENT Curriculum Outline	Req. Hours	PROPOSED Curriculum Outline	Req. Hours
English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3	English (Gen Ed): EN 1103 English Composition I or equivalent EN 1113 English Composition II or equivalent	 3 3
Fine Arts (Gen Ed)	3	Fine Arts (Gen Ed)	3
Math (Gen Ed): MA 1313 College Algebra or higher Any Math above MA 1313	 3 3	Math (Ged Ed): MA 1313 College Algebra or higher Any Math above MA 1313	 3 3
Natural Sciences (Gen Ed): Physical Science with lab Biological Science with lab	 3 3	Natural Sciences (Gen Ed): Physical Science with lab Biological Science with lab	 3 3
Humanities (General Ed): HI 1063 Early U.S. History HI 1073 Modern U.S. History	 3 3	Humanities (General Ed): HI 1063 Early U.S. History HI 1073 Modern U.S. History	 3 3
Fine Arts (Gen Ed)	*3*		

Social/Behavioral Sciences (Gen Ed):		Social/Behavioral Sciences (Gen Ed):	
PSY 1013 General Psychology	3	PSY 1013 General Psychology	3
SO 1003 Introduction to Sociology	3	SO 1003 Introduction to Sociology	3
Extra Science or Math (Gen Ed):		Extra Science or Math (Gen Ed):	
Approved Science or Math	3	Approved Science or Math	3
Total	*39*	**Total**	**36**
Major Core Courses		Major Core Courses	
EPY 3143 Human Dev & Learning	3	EPY 3143 Human Dev & Learning	3
EDX 3213 Exceptional Child/Youth	3	EDX 3213 Exceptional Child/Youth	3
EDF 3333 Social Foundations	3	EDF 3333 Social Foundations	3
EDS 3413 Principles of Secondary Education	3	EDS 3413 Principles of Secondary Education	3
RDG 3513 Developing Reading Strategies in Secondary School Content Areas	3	RDG 3513 Developing Reading Strategies in Secondary School Content Areas	3
EDS 3643 Secondary Social Studies Education	3	EDS 3643 Secondary Social Studies Education	3
EDS 4643 Methods of Teaching Social Studies	3	EDS 4643 Methods of Teaching Social Studies	3
EDS 4873 Seminar in Managing the Sec. Classroom	3	EDS 4873 Seminar in Managing the Sec. Classroom	3
EDS 4403/6403 Evaluation of Learning in Secondary Schools	3	EDS 4403/6403 Evaluation of Learning in Secondary Schools	3
EDS 4886 Teaching Intern in Sec. Ed.	6	EDS 4886 Teaching Intern in Sec. Ed.	6
EDS 4896 Teaching Intern in Sec. Ed.	6	EDS 4896 Teaching Intern in Sec. Ed.	6
Total	39	Total	39

Social Studies Concentration Courses		Social Studies Concentration Courses	
EC 2113 Principles of Macroeconomics	3	EC 2113 Principles of Macroeconomics	3
EC 2123 Principles of Microeconomics	3	EC 2123 Principles of Microeconomics	3
GR 1114 Elements of Physical Geography (or approved 3000 or 4000 level GR elective)	*3*	GR 1114 Elements of Physical Geography (or approved 3000 or 4000 level GR elective)	**3-4**
HI 1163 World History Before 1500	3	**GR 1123 Intro to World Geography**	**3**
HI 1173 World History Since 1500	3	HI 1163 World History Before 1500	3
HI 3333 Mississippi History	3	HI 1173 World History Since 1500	3
HI 4403 The Ancient Near East or HI 4903 The Far East	3	HI 3333 Mississippi History	3
PS 1113 American Government	3	HI 4403 The Ancient Near East or HI 4903 The Far East	3
PS 1513 Comparative Government or PS 1313 Introduction to International Relations or PS 2703 Introduction to Public Policy	3	PS 1113 American Government	3
3000 or 4000 level history elective	3	PS 1513 Comparative Government or PS 1313 Introduction to International Relations or PS 2703 Introduction to Public Policy	3
3000 or 4000 level HI/PS/EC/GR elective	3	3000 or 4000 level history elective	3
3000 or 4000 level HI/PS/EC/GR elective	3	3000 or 4000 level HI/PS/EC/GR elective	3
3000 or 4000 level HI/PS/EC/GR/PSY/SO elective	3	3000 or 4000 level HI/PS/EC/GR elective	3
		3000 or 4000 level HI/PS/EC/GR/PSY/SO elective	3
Total	*39*	**Total**	**42-43**

Oral Communication Requirement Satisfied by the successful completion of CO 1003 Fundamentals of Public Speaking	3	Oral Communication Requirement Satisfied by the successful completion of CO 1003 Fundamentals of Public Speaking	3
Computer Literacy Requirement Satisfied by the successful completion of TKT 1273 Computer Applications or BIS 1012 Intro to Business Info. Systems	*3*	Computer Literacy Requirement Satisfied by the successful completion of TKT 1273 Computer Applications or BIS 1012 Intro to Business Info. Systems	**2-3**
Writing Requirement Satisfied by the successful completion of EDS 4643 Methods of Teaching Social Studies		Writing Requirement Satisfied by the successful completion of EDS 4643 Methods of Teaching Social Studies	
Total	*123*	**Total**	**122-124**

JUSTIFICATION AND STUDENT OUTCOMES

This modification is to correct errors that were made on the previous degree modification that was submitted in 2020. In this modification, hours have been adjusted to meet MSU, departmental, and MDE requirements, courses were added back in that were left off, and these changes are to reflect what is written on the curriculum sheet/program of study, and what is inputted in the current CAPP reports. These adjustments are to align the program of study, with the MSU Catalog, and CAPP (soon to be Degree Works).

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.

SUPPORT: See attached letters of support

PROPOSED 4-LETTER ABBREVIATION: SEED

EFFECTIVE DATE: August 2022

APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

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

College: Bagley College of Engineering **Department:** Electrical & Computer Engineering

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

Nature of Change: Update EE GPA requirement modifications, add flexibility through technical elective options, revise circuits/electronics sequence, add concentration

Date Initiated: 11/3/21 **Effective Date:** Fall 2022

Current Degree Program Name: Bachelor of Science in Electrical Engineering

Major: Electrical Engineering **Concentration:**

New Degree Program Name:

Major: Electrical Engineering **Concentration:** Electrical Engineering, Power and Energy Engineering

Summary of Proposed Changes:

A summary of proposed changes follows:

1. Update the GPA requirements for EE
2. Remove ECE 3213 Solid State course from degree program and replace with an ECE technical elective option to increase flexibility.
3. Shift from a three-course combined circuits/electronics sequence to two two-course circuits and two-course electronics sequences. The degree program will require the same number of credit hours (11 credit hours) within these new sequences.
4. Add language for Power and Energy Engineering concentration

Approved: **Date:**

Department Head — 11/8/21

Dr. John Ball Digitally signed by Dr. John Ball DN: cn=Dr. John Ball, o=ECU, ou=ECU, email=ballj@ecu.edu, c=US Date: 2021.11.09 08:24:46 -06'00' — 11/9/21

Chair, College or School Curriculum Committee

Kari Babski-Reeves for Jason Keith Digitally signed by Kari Babski-Reeves for Jason Keith Date: 2021.11.09 13:27:21 -06'00'

Dean of College or School

3/9/2022

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Peter L. Ryan — 28rd March 2022

Chair, Deans Council

PROPOSAL FOR THE MODIFICATION OF THE B.S. IN ELECTRICAL ENGINEEIRNG

1. CATALOG DESCRIPTION

No changes proposed.

2. CURRICULUM OUTLINE

The changes proposed are as follows:

1. Update the GPA requirements for EE
    a. EOP 21 was mistakenly removed in a previous change. The following language from EOP 21 will be added: earn at least a 2.00 cumulative grade point average on all courses scheduled and rescheduled (average on all attempts) at MSU that are applied toward meeting degree requirements.
    b. Remove "scheduled and rescheduled" for 2.5/4.0 GPA average requirement:
    Replace "earn at least a 2.5/4.0 average on all hours with ECE or CSE course prefixes scheduled and rescheduled at all institutions attended, including MSU." with "earn at least a 2.5/4.0 average on all hours with ECE or CSE course prefixes at all institutions attended, including MSU, that are applied toward meeting degree requirements."
2. Remove ECE 3213 Solid State course from degree program and replace with an ECE technical elective option to increase flexibility.
3. Shift from a three-course combined circuits/electronics sequence to two two-course circuits and two-course electronics sequences. The degree program will require the same number of credit hours (11 credit hours) within these new sequences.
4. Add Power and Energy Engineering concentration.

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Science in Electrical Engineering Major: Electrical Engineering Concentration: N/A	Degree: Bachelor of Science in Electrical Engineering Major: Electrical Engineering Concentration: N/A
Alumni, employers, faculty and students participate in a process used to develop educational objectives for the undergraduate programs in Electrical Engineering and Computer Engineering. Within a few years of graduation, program graduates completing the baccalaureate degree in Electrical or Computer Engineering will: • Be recognized by their peers as fundamentally sound in the application of mathematics, science, computing, and engineering. • Be engaged in the practice of Electrical or Computer Engineering as innovative problem solvers with a strong work ethic, by identifying and implementing solutions using the proper tools, practical approaches, and flexible thinking. • Be productive and demonstrate leadership in the practice of Electrical or Computer Engineering, both individually and within multidisciplinary teams, using effective oral	Alumni, employers, faculty and students participate in a process used to develop educational objectives for the undergraduate programs in Electrical Engineering and Computer Engineering. Within a few years of graduation, program graduates completing the baccalaureate degree in Electrical or Computer Engineering will: • Be recognized by their peers as fundamentally sound in the application of mathematics, science, computing, and engineering. • Be engaged in the practice of Electrical or Computer Engineering as innovative problem solvers with a strong work ethic, by identifying and implementing solutions using the proper tools, practical approaches, and flexible thinking. • Be productive and demonstrate leadership in the practice of Electrical or Computer Engineering, both individually and within multidisciplinary teams, using effective oral

and written communication skills when working with peers, supervisors, and the public.
- Be responsible in the practice of Electrical or Computer Engineering, relying on sound engineering ethics, a commitment to lifelong learning and a genuine concern for society and the environment.

The electrical engineer is a principal contributor to the modern technological age in which we live today. Following in the footsteps of inventors such as Thomas Edison and Alexander Graham Bell, the electrical engineer is developing technology that improves the quality of life. Developments in microelectronics, telecommunications, and power systems have had a profound effect on each of us. Electrical engineers have affected all segments of our society such as transportation, medicine, and the entertainment industry, to name only a few. Indeed, the electrical engineer has principally been responsible for the advent of the computer age in which we live today as well as the computer's miniaturization and rapid expansion in computational power.

The curriculum in electrical engineering has a foundation based on the principles of the electrical and physical sciences and uses mathematics as a common language to facilitate the solution of engineering problems. The core curriculum consists of a sequence of courses in digital devices, circuits and electronics, electromagnetic field theory, and modern energy conversion. In the senior year, students have the opportunity to take additional course work in one or more technical areas that include: telecommunications, electromagnetics, power systems, high voltage, feedback control systems, microelectronics, signal processing, and computer systems. Supporting course work outside electrical engineering consists of a strong background in mathematics, physical sciences, computer programming, social sciences, fine arts, humanities, and personal communication skills. Computers are used extensively throughout the curriculum, and students are expected to become proficient in higher-order programming languages and several application software tools. Although the concept of design is stressed throughout the program so as to emphasize the problem-solving skills of the engineer, the senior year includes a capstone design experience where much of the previous study is culminated. Through this two-semester design course sequence, students are required to integrate design and analytical problem-solving skills together with communication skills in a team environment.
Students expecting to graduate from Mississippi State University with a bachelor of science degree in electrical engineering, in addition to satisfactorily completing the EE curriculum requirements, must meet the following minimum GPA requirements for graduation:

and written communication skills when working with peers, supervisors, and the public.
- Be responsible in the practice of Electrical or Computer Engineering, relying on sound engineering ethics, a commitment to lifelong learning and a genuine concern for society and the environment.

The electrical engineer is a principal contributor to the modern technological age in which we live today. Following in the footsteps of inventors such as Thomas Edison and Alexander Graham Bell, the electrical engineer is developing technology that improves the quality of life. Developments in microelectronics, telecommunications, and power systems have had a profound effect on each of us. Electrical engineers have affected all segments of our society such as transportation, medicine, and the entertainment industry, to name only a few. Indeed, the electrical engineer has principally been responsible for the advent of the computer age in which we live today as well as the computer's miniaturization and rapid expansion in computational power.

The curriculum in electrical engineering has a foundation based on the principles of the electrical and physical sciences and uses mathematics as a common language to facilitate the solution of engineering problems. The core curriculum consists of a sequence of courses in digital devices, circuits and electronics, electromagnetic field theory, and modern energy conversion. In the senior year, students have the opportunity to take additional course work in one or more technical areas that include: telecommunications, electromagnetics, power systems, high voltage, feedback control systems, microelectronics, signal processing, and computer systems. Supporting course work outside electrical engineering consists of a strong background in mathematics, physical sciences, computer programming, social sciences, fine arts, humanities, and personal communication skills. Computers are used extensively throughout the curriculum, and students are expected to become proficient in higher-order programming languages and several application software tools. Although the concept of design is stressed throughout the program so as to emphasize the problem-solving skills of the engineer, the senior year includes a capstone design experience where much of the previous study is culminated. Through this two-semester design course sequence, students are required to integrate design and analytical problem-solving skills together with communication skills in a team environment.
Students expecting to graduate from Mississippi State University with a bachelor of science degree in electrical engineering, in addition to satisfactorily completing the EE curriculum requirements, must meet the following minimum GPA requirements for graduation:

• make an overall C average on all hours scheduled and rescheduled at all institutions attended, including MSU (2.00 or better cumulative GPA) • make a C average on all hours scheduled and rescheduled at MSU (2.00 or better MSU GPA) • *earn at least a 2.5/4.0 average on all hours with ECE or CSE course prefixes scheduled and rescheduled at all institutions attended, including MSU* The electrical engineering program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org.	• make an overall C average on all hours scheduled and rescheduled at all institutions attended, including MSU (2.00 or better cumulative GPA) • make a C average on all hours scheduled and rescheduled at MSU (2.00 or better MSU GPA) • **earn at least a 2.00 cumulative grade point average on all courses scheduled and rescheduled (average on all attempts) at MSU that are applied toward meeting degree requirements** • **earn at least a 2.5/4.0 average on all hours with ECE or CSE course prefixes at all institutions attended, including MSU, that are applied toward meeting degree requirements** The electrical engineering program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org.
"[Click here and type old concentration description]"	"[Click here and type old concentration description]"

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
EN 1103 English Comp I or EN 1163 Accelerated Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	*6*	**EN 1103 English Comp I or EN 1104 Expanded English Comp I** EN 1113 English Comp II or EN 1173 Accelerated Comp II	**6**
Fine Arts: see General Education courses	3	Fine Arts: see General Education courses	3
Natural Sciences see Major Core		Natural Sciences see Major Core	
Math see Major Core		Math see Major Core	
Humanities see General Education courses	6	Humanities see General Education courses	6
Social/Behavioral Sciences see General Education courses	6	Social/Behavioral Sciences see General Education courses	6
Major Core Courses Math and Basic Science (31h)		Major Core Courses Math and Basic Science (31h)	
MA 1713 Calculus I	3	MA 1713 Calculus I	3
MA 1723 Calculus II	3	MA 1723 Calculus II	3
MA 2733 Calculus III	3	MA 2733 Calculus III	3
MA 2743 Calculus IV	3	MA 2743 Calculus IV	3
MA 3113 Introduction to Linear Algebra	3	MA 3113 Introduction to Linear Algebra	3
MA 3253 Differential Equations I	3	MA 3253 Differential Equations I	3
IE 4613 Engineering Statistics I	3	IE 4613 Engineering Statistics I	3

CH 1213 Chemistry I	3	CH 1213 Chemistry I	3
CH 1211 Investigations in Chemistry I	1	CH 1211 Investigations in Chemistry I	1
PH 2213 Physics I	3	PH 2213 Physics I	3
PH 2223 Physics II	3	PH 2223 Physics II	3
Engineering Topics (76h)		Engineering Topics (76h)	
CSE 1284 Introduction to Computer Programming	4	CSE 1284 Introduction to Computer Programming	4
CSE 1384 Intermediate Computer Programming	4	CSE 1384 Intermediate Computer Programming	4
CSE 2383 Data Structures and Analysis of Algorithms	3	CSE 2383 Data Structures and Analysis of Algorithms	3
ECE 1013 Introduction to ECE Design I	3	ECE 1013 Introduction to ECE Design I	3
ECE 1022 Introduction to ECE Design II	2	ECE 1022 Introduction to ECE Design II	2
ECE 3213 Introduction to Solid State Electronics	*3*	**ECE 3423 Circuits I**	**3**
		ECE 3421 Circuits I Lab	**1**
ECE 3413 Introduction to Electronic Circuits	*3*	**ECE 3433 Circuits II**	**3**
		ECE 3244 Electronics I	**4**
ECE 3424 Intermediate Electronic Circuits	*4*	ECE 3443 Signals and Systems	3
ECE 3434 Advanced Electronic Circuits	*4*	ECE 3313 Electromagnetics I	3
ECE 3443 Signals and Systems	3	ECE 3323 Electromagnetics II	3
ECE 3313 Electromagnetics I	3	ECE 3614 Fundamentals of Energy Systems	4
ECE 3323 Electromagnetics II	3	ECE 4512 EE Design I	2
ECE 3614 Fundamentals of Energy Systems	4	ECE 4522 EE Design II	2
ECE 4512 EE Design I	2	ECE 3714 Digital Devices and Logic Design	4
ECE 4522 EE Design II	2	ECE 3724 Microprocessors	4
ECE 3714 Digital Devices and Logic Design	4	EM 2413 Engineering Mechanics I or ME 3513 Thermodynamics I	3
ECE 3724 Microprocessors	4	**EE technical electives**	**12**
EM 2413 Engineering Mechanics I or ME 3513 Thermodynamics I	3	Engineering Science elective (3h)	3
		Professional Enrichment elective (3h)	3
EE technical electives (9h)	*9*		
Engineering Science elective (3h)	3	Oral Communication Requirement	
Professional Enrichment elective (3h)	3	Fulfilled in ECE 1013, ECE 1022, ECE 4512, ECE 4522, and GE 3513	
Oral Communication Requirement		Writing Requirement	
Fulfilled in ECE 1013, ECE 1022, ECE 4512, ECE 4522, and GE 3513		GE 3513 Technical Writing	3
Writing Requirement		Computer Literacy Fulfilled in Engineering Topics courses	
GE 3513 Technical Writing	3		
Computer Literacy Fulfilled in Engineering Topics courses			
Concentration Courses		Concentration Courses	
Total Hours	128	Total Hours	128

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Science in Electrical Engineering Major: Electrical Engineering Concentration: N/A	Degree: Bachelor of Science in Electrical Engineering Major: Electrical Engineering Concentration: **Power and Energy Engineering**
Alumni, employers, faculty and students participate in a process used to develop educational objectives for the undergraduate programs in Electrical Engineering and Computer Engineering. Within a few years of graduation, program graduates completing the baccalaureate degree in Electrical or Computer Engineering will: • Be recognized by their peers as fundamentally sound in the application of mathematics, science, computing, and engineering. • Be engaged in the practice of Electrical or Computer Engineering as innovative problem solvers with a strong work ethic, by identifying and implementing solutions using the proper tools, practical approaches, and flexible thinking. • Be productive and demonstrate leadership in the practice of Electrical or Computer Engineering, both individually and within multidisciplinary teams, using effective oral and written communication skills when working with peers, supervisors, and the public. • Be responsible in the practice of Electrical or Computer Engineering, relying on sound engineering ethics, a commitment to lifelong learning and a genuine concern for society and the environment. The electrical engineer is a principal contributor to the modern technological age in which we live today. Following in the footsteps of inventors such as Thomas Edison and Alexander Graham Bell, the electrical engineer is developing technology that improves the quality of life. Developments in microelectronics, telecommunications, and power systems have had a profound effect on each of us. Electrical engineers have affected all segments of our society such as transportation, medicine, and the entertainment industry, to name only a few. Indeed, the electrical engineer has principally been responsible for the advent of the computer age in which we live today as well as the computer's miniaturization and rapid expansion in computational power. The curriculum in electrical engineering has a foundation based on the principles of the electrical and physical sciences and uses mathematics as a common language to facilitate the solution of engineering problems. The core curriculum consists of a sequence of courses in digital devices, circuits and electronics,	Alumni, employers, faculty and students participate in a process used to develop educational objectives for the undergraduate programs in Electrical Engineering and Computer Engineering. Within a few years of graduation, program graduates completing the baccalaureate degree in Electrical or Computer Engineering will: • Be recognized by their peers as fundamentally sound in the application of mathematics, science, computing, and engineering. • Be engaged in the practice of Electrical or Computer Engineering as innovative problem solvers with a strong work ethic, by identifying and implementing solutions using the proper tools, practical approaches, and flexible thinking. • Be productive and demonstrate leadership in the practice of Electrical or Computer Engineering, both individually and within multidisciplinary teams, using effective oral and written communication skills when working with peers, supervisors, and the public. • Be responsible in the practice of Electrical or Computer Engineering, relying on sound engineering ethics, a commitment to lifelong learning and a genuine concern for society and the environment. The electrical engineer is a principal contributor to the modern technological age in which we live today. Following in the footsteps of inventors such as Thomas Edison and Alexander Graham Bell, the electrical engineer is developing technology that improves the quality of life. Developments in microelectronics, telecommunications, and power systems have had a profound effect on each of us. Electrical engineers have affected all segments of our society such as transportation, medicine, and the entertainment industry, to name only a few. Indeed, the electrical engineer has principally been responsible for the advent of the computer age in which we live today as well as the computer's miniaturization and rapid expansion in computational power. The curriculum in electrical engineering has a foundation based on the principles of the electrical and physical sciences and uses mathematics as a common language to facilitate the solution of engineering problems. The core curriculum consists of a sequence of courses in digital devices, circuits and electronics,

electromagnetic field theory, and modern energy conversion. In the senior year, students have the opportunity to take additional course work in one or more technical areas that include: telecommunications, electromagnetics, power systems, high voltage, feedback control systems, microelectronics, signal processing, and computer systems. Supporting course work outside electrical engineering consists of a strong background in mathematics, physical sciences, computer programming, social sciences, fine arts, humanities, and personal communication skills. Computers are used extensively throughout the curriculum, and students are expected to become proficient in higher-order programming languages and several application software tools. Although the concept of design is stressed throughout the program so as to emphasize the problem-solving skills of the engineer, the senior year includes a capstone design experience where much of the previous study is culminated. Through this two-semester design course sequence, students are required to integrate design and analytical problem-solving skills together with communication skills in a team environment. Students expecting to graduate from Mississippi State University with a bachelor of science degree in electrical engineering, in addition to satisfactorily completing the EE curriculum requirements, must meet the following minimum GPA requirements for graduation: • make an overall C average on all hours scheduled and rescheduled at all institutions attended, including MSU (2.00 or better cumulative GPA) • make a C average on all hours scheduled and rescheduled at MSU (2.00 or better MSU GPA) • *earn at least a 2.5/4.0 average on all hours with ECE or CSE course prefixes scheduled and rescheduled at all institutions attended, including MSU* The electrical engineering program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org.	electromagnetic field theory, and modern energy conversion. In the senior year, students have the opportunity to take additional course work in one or more technical areas that include: telecommunications, electromagnetics, power systems, high voltage, feedback control systems, microelectronics, signal processing, and computer systems. Supporting course work outside electrical engineering consists of a strong background in mathematics, physical sciences, computer programming, social sciences, fine arts, humanities, and personal communication skills. Computers are used extensively throughout the curriculum, and students are expected to become proficient in higher-order programming languages and several application software tools. Although the concept of design is stressed throughout the program so as to emphasize the problem-solving skills of the engineer, the senior year includes a capstone design experience where much of the previous study is culminated. Through this two-semester design course sequence, students are required to integrate design and analytical problem-solving skills together with communication skills in a team environment. Students expecting to graduate from Mississippi State University with a bachelor of science degree in electrical engineering, in addition to satisfactorily completing the EE curriculum requirements, must meet the following minimum GPA requirements for graduation: • make an overall C average on all hours scheduled and rescheduled at all institutions attended, including MSU (2.00 or better cumulative GPA) • make a C average on all hours scheduled and rescheduled at MSU (2.00 or better MSU GPA) • **earn at least a 2.00 cumulative grade point average on all courses scheduled and rescheduled (average on all attempts) at MSU that are applied toward meeting degree requirements** • **earn at least a 2.5/4.0 average on all hours with ECE or CSE course prefixes at all institutions attended, including MSU, that are applied toward meeting degree requirements** The electrical engineering program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org.
"[Click here and type old concentration description]"	**CONCENTRATION DESCRIPTION** **Power and Energy Engineering Concentration. Engineers employed in the power and energy systems workforce need a fundamental knowledgebase in power distribution and power transmission plus a working knowledge of high voltage, power electronics, relays, or insulation. This concentration prepares students for jobs in power and energy industries, especially utilities.**

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
EN 1103 English Comp I or EN 1163 Accelerated Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	*6*	**EN 1103 English Comp I or EN 1104 Expanded English Comp I** EN 1113 English Comp II or EN 1173 Accelerated Comp II	**6**
Fine Arts: see General Education courses	3	Fine Arts: see General Education courses	3
Natural Sciences see Major Core		Natural Sciences see Major Core	
Math see Major Core		Math see Major Core	
Humanities see General Education courses	6	Humanities see General Education courses	6
Social/Behavioral Sciences see General Education courses	6	Social/Behavioral Sciences see General Education courses	6
Major Core Courses Math and Basic Science (31h)		Major Core Courses Math and Basic Science (31h)	
MA 1713 Calculus I	3	MA 1713 Calculus I	3
MA 1723 Calculus II	3	MA 1723 Calculus II	3
MA 2733 Calculus III	3	MA 2733 Calculus III	3
MA 2743 Calculus IV	3	MA 2743 Calculus IV	3
MA 3113 Introduction to Linear Algebra	3	MA 3113 Introduction to Linear Algebra	3
MA 3253 Differential Equations I	3	MA 3253 Differential Equations I	3
IE 4613 Engineering Statistics I	3	IE 4613 Engineering Statistics I	3
CH 1213 Chemistry I	3	CH 1213 Chemistry I	3
CH 1211 Investigations in Chemistry I	1	CH 1211 Investigations in Chemistry I	1
PH 2213 Physics I	3	PH 2213 Physics I	3
PH 2223 Physics II	3	PH 2223 Physics II	3
Engineering Topics (70h)		**Engineering Topics (64h)**	
CSE 1284 Introduction to Computer Programming	4	CSE 1284 Introduction to Computer Programming	4
CSE 1384 Intermediate Computer Programming	4	CSE 1384 Intermediate Computer Programming	4
CSE 2383 Data Structures and Analysis of Algorithms	3	CSE 2383 Data Structures and Analysis of Algorithms	3
ECE 1013 Introduction to ECE Design I	3	ECE 1013 Introduction to ECE Design I	3
ECE 1022 Introduction to ECE Design II	2	ECE 1022 Introduction to ECE Design II	2
ECE 3213 Introduction to Solid State Electronics	*3*	**ECE 3423 Circuits I**	**3**
		ECE 3421 Circuits I Lab	**1**
ECE 3413 Introduction to Electronic Circuits	*3*	**ECE 3433 Circuits II**	**3**
		ECE 3244 Electronics I	**4**
ECE 3424 Intermediate Electronic Circuits	*4*	ECE 3443 Signals and Systems	3
ECE 3434 Advanced Electronic Circuits	*4*	ECE 3313 Electromagnetics I	3
ECE 3443 Signals and Systems	3	ECE 3323 Electromagnetics II	3

ECE 3313 Electromagnetics I	3	ECE 3614 Fundamentals of Energy Systems	4
ECE 3323 Electromagnetics II	3	ECE 4512 EE Design I	2
ECE 3614 Fundamentals of Energy Systems	4	ECE 4522 EE Design II	2
ECE 4512 EE Design I	2	ECE 3714 Digital Devices and Logic Design	4
ECE 4522 EE Design II	2	ECE 3724 Microprocessors	4
ECE 3714 Digital Devices and Logic Design	4	EM 2413 Engineering Mechanics I or ME 3513 Thermodynamics I	3
ECE 3724 Microprocessors	4	Engineering Science elective (3h)	3
EM 2413 Engineering Mechanics I or ME 3513 Thermodynamics I	3	Professional Enrichment elective (3h)	3
EE technical electives (9h)	*9*	Oral Communication Requirement	
Engineering Science elective (3h)	3	Fulfilled in ECE 1013, ECE 1022, ECE	
Professional Enrichment elective (3h)	3	4512, ECE 4522, and GE 3513	
Oral Communication Requirement		Writing Requirement	
Fulfilled in ECE 1013, ECE 1022, ECE 4512, ECE 4522, and GE 3513		GE 3513 Technical Writing	3
Writing Requirement		Computer Literacy Fulfilled in Engineering Topics courses	
GE 3513 Technical Writing	3		
Computer Literacy Fulfilled in Engineering Topics courses			
Concentration Courses		Concentration Courses	
		Power and Energy Engineering (6h)	
		ECE 4613 Power Transmission Systems	**3**
		ECE 4633 Power Distribution Systems	**3**
		Power and Energy Electives (6h)	**6**
		Choose from: **ECE 4643 Power Systems Relaying & Control** **ECE 4653 Power Electronics** **ECE 4663 Insulation Coordination in Electric Power Systems** **ECE 4673 Fundamentals of High Voltage Engineering** **(see advisor for list of additional approved elective courses)**	
Total Hours	128	Total Hours	128

3. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

This modification is being made in order to provide a more flexible curriculum for students in our department. These changes are supported by a longitudinal analysis of departmental student exit surveys and interviews, updates to the ABET accreditation criteria following our accreditation visit in

Fall 2017, and a comparison of MSU's EE degree program with other EE programs nationwide. These changes enable some EE students to choose an area of concentration and complete a series of courses to build depth of knowledge within that concentration, The proposed changes in this modification form will, in the future, enable us to propose additional concentrations within electrical engineering so that students' concentrations are noted on their transcript. This modification will add an initial concentration in Power and Energy with subsequent concentrations forthcoming.

Additionally, we will shift from a three-course sequence of combined circuits/electronics topics to two two-course sequences. The degree program will require the same number of credit hours (11 credit hours) within these new sequences, but the new format will allow us to reorganize topics to be consistent with current textbooks and allow us to connect the lab experience with the first circuits course rather than the second. Further, additional flexibility added by these changes will result in the removal of a five-course sequence that will allow transfer students to complete their degree in a more-timely manner.

In sum, these changes are very positive for our students.

1. **EE Degree Program GPA Updates:** A degree program change initiated on Feb 1, 2018 and discussed at the March 23, 2018 UCCC meeting modified the EE degree program GPA requirements. Prior to the change, EE had four requirements: Cumulative GPA, MSU GPA, MSU Degree Program GPA, and Engineering Topics GPA.
    - The change removed the **MSU Degree Program GPA** requirement, which we have since learned is required by EOP 21. The MSU Degree Program GPA must be included in the list of GPA requirements to clearly state all GPA requirements and avoid student confusion. This degree modification will correct that omission.
    - The change modified the **Engineering Topics GPA** requirement by increasing the GPA requirement from a 2.0 to a 2.5. However, the faculty intent was to simultaneously strike "scheduled and rescheduled" from the requirement. During advising and graduation audits, we realized the original degree modification did not strike that language. After a review of historical meeting minutes, the ECE Undergraduate Committee reviewed this concern and reaffirmed the original intent of the GPA modification. The ECE faculty voted to reaffirm the recommendation to strike the "scheduled and rescheduled" in the Engineering Topics GPA requirements and to specify that the 2.5 GPA requirement threshold apply only to ECE and CSE courses used in a student's final program of study. The change is "earn at least a 2.5/4.0 average on all hours with ECE or CSE course prefixes ~~scheduled and rescheduled~~ at all institutions attended, including MSU, that are applied toward meeting degree requirements." This modification is to ensure the 2.5 Engineering Topics GPA requirement is consistent with the original intention of the ECE faculty. If applied to all courses scheduled and rescheduled, the faculty view a threshold of 2.5 as excessive.

2. **Remove ECE 3213 Solid State course from degree program requirements:** The faculty wish to replace ECE 3213 with a technical elective option. By replacing the course with a technical elective option, we are allowing students more flexibility to choose an upper-level ECE course that is more relevant to their individual career plans. ECE 3213 is not part of our ABET EE degree program accreditation requirements.

3. **Update Circuits/Electronics Sequence:** The key motivations for revising and updating the Circuits and Electronics course sequence is to better prepare students to effectively solve circuits and electronics problems. The benefits of moving to two separate sequences are numerous. A few benefits include:
    - The merged circuits and electronics courses often cause confusion. Though circuits and electronics are closely-related topics, they are not the same. Students have trouble separating the two concepts. Moreover, most universities teach the topics separately, and it is hard for students to transfer credit to MSU that provides credit for our current sequence.
    - Though we are updating the sequence, we will continue to teach ECE 3413 Introduction to Electronic Circuits. ECE 3413 is required by other engineering majors but will no longer be required for ECE students. This returns us to our historical practices of offering a circuits/electronics course dedicated to non-majors. This allows us to offer a more effective curriculum for ECE and non-ECE students because course topics can be fine-tuned and offered at more appropriate levels for ECE and non-ECE students.
    - This update will allow us to shift a lab experience to the initial circuits course for ECE students. Currently, students are struggling in our circuits sequence. The ECE faculty think a hands-on lab experience in the first course will allow students to better grasp the material. Since circuits and electronics build on the fundamental concepts taught in the initial circuits course, it is critical for students to thoroughly understand the topics.
    - This reorganization and update will allow us to use the second circuits course a bridge for our signals and systems courses. We have identified signals and systems as a trouble area for student success. The signals and systems course covers numerous, complex topics. We are evaluating ways to reorganize that course, but for now, a first step is to provide some exposure to topics in earlier, related courses. This reorganization provides the opportunity to do that.
    - This reorganization will remove a five-course prerequisite chain that is currently in the program due to the three-course combined circuits/electronics sequence (ECE 3413 – ECE 3424 – ECE 3434) which is followed by a two-course senior design sequence (ECE 4512 – ECE 4522). Now transfer students will be able to enroll in senior design by their third semester and can finish their degree in four semesters instead of five semesters. This change will allow the current five-semester EE program on the Coast campus to transition to a four-semester program similar to other Coast campus programs.

    To provide clarity for circuits/electronics change. The below summaries are provided.

    Current required courses impacted by this change (11 credit hours for EE and CPE):
    - ECE 3413 – currently required for EE, CPE, AE, IE, and ME. Will continue offering and in the future work with AE, IE, and ME faculty to revise topics, if needed, for their students.
    - ECE 3424 – currently required for EE and CPE; will phase out
    - ECE 3434 – currently required for EE and CPE; will phase out

- Several courses will need prerequisite updates after new sequence is approved; these will be processed as technical changes when new courses are approved.

New required courses proposed (11 credit hours for EE and CPE):

- ECE 3423 Circuits I – required for EE and CPE. Equivalent to ECE 3413 but requires co-registration in lab.
- ECE 3421 Circuits I Lab – new standalone lab for introductory circuits topics. (Students who take ECE 3413 can take this lab to continue in ECE circuits and electronics courses.)
- ECE 3433 Circuits II – required for EE and CPE. New course to bridge circuits and signals and systems. Additional applications for circuits topics.
- ECE 3244 Electronics I – required for EE and CPE. Equivalent to ECE 3424

New elective courses proposed:

- ECE 3253 Electronics II (elective) – advanced electronics topics from current ECE 3434; can be taken as a technical elective.

4. **Add "Power and Energy Engineering" concentration:** This modification is being made in order to create the first concentration in electrical engineering. In the future, we plan to propose additional concentrations within electrical engineering. The vision is that ECE students will be able to choose an area of concentration and then choose a series of courses to build depth of knowledge within that concentration. The benefits of formal concentration areas are related to transcript endorsement, tracking of students, and improved advising practices. For this proposed Power and Energy Engineering Concentration, all seven faculty within the Power and Energy Emphasis Area in ECE unanimously stated that they are already offering this concentration without it being acknowledged. They regularly offer the courses that form the proposed concentration and students regularly complete them. We can begin to offer this concentration immediately without any additional effort or reorganization.

As a result of this degree program modification, there are no changes to the student learning outcomes. The EE student learning outcomes are as follows:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

- Will this program change meet local, state, regional, and national educational and cultural needs? **Yes**
- Will this program change result in duplication in the System? **No**
- Will this program change/advance student diversity within the discipline? **Yes**, the added flexibility through technical electives will enable students to take courses in a variety of areas both inside and outside of ECE. We anticipate this will be viewed favorably by all students, but particularly for women who often struggle to connect electrical engineering to societal impact. Interdisciplinary engineering projects and courses can help address societal impact. The ability to enroll in interdisciplinary courses that will count towards their degree program through the flexibility of technical electives should aid departmental efforts to advance diversity. For more information on department diversity efforts see: www.ece.msstate.edu/bp-ece-plan/
- Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? **Yes**, the visibility of the Power and Energy Engineering concentration via transcript endorsement should improve potential placement within power and energy industries.
- Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? **No**

4. SUPPORT

See the attached letter from the ECE Undergraduate Committee. All the changes in this degree program were discussed multiple times throughout the 2020-2021 academic year. All these changes were recommended by the ECE Undergraduate Committee by unanimous vote in their March 22, 2021 meeting and approved by a vote of the ECE faculty on March 26, 2021.

5. PROPOSED 4-LETTER ABBREVIATION

No changes

6. EFFECTIVE DATE

Fall 2022