

A MEMORANDUM

DATE: September 16, 2021

TO: Academic Deans Council

FROM: Dr. Andy Perkins
UCCC Chair

RE: Change Notice 1

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 September 29, 2021 by contacting Dr. Andy Perkins (5-0004) or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered approved automatically.

1. Course Proposals by college/school

ACADEMIC AFFAIRS

Addition	<u>LSK 1063</u>	Approved	<p>LSK 1063 Luckyday Scholars Program Course. (3). Three hours lecture. The Luckyday Scholars Seminar will introduce Luckyday scholars to the Luckyday community, university community, and Starkville community and provide an understanding of their role as contributors and leaders as they begin to grow professionally through servant-leadership through the four Luckyday values: scholarship, community, service, leadership.</p> <p>Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 350101 30 Char: Luckyday Scholars Program Effective: Fall 2021</p>
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AGRICULTURE AND LIFE SCIENCES

+Online/Distance	<u>BIO 4514/6514</u>	Approved	<p>BIO 4514/6514 Approval to Offer Online Campus 5 for Animal Physiology.</p> <p>Method of Delivery: F & O Campus: 1, 2, & 5 Effective: Fall 2021</p>
Modification	<u>EPP 8173</u>	Approved	<p>FROM: EPP 8173 Clinical Plant Pathology. (3). (Prerequisites: EPP 3113 and EPP 4114). Two four-hour laboratories. Clinical techniques, procedures, and experience in diagnosing plant diseases in the laboratory and field. Covers diseases caused by bacteria, fungi, MLO, nematodes, unfavorable environment and viruses. Summer.</p> <p>TO: EPP 1873 Clinical and Applied Mycology. (3). (Prerequisites: EPP 4254/6254 or consent of instructor). One hour lecture and four hours laboratory. This course prepares students to identify fungal causal agents associated with agricultural problems, including food science, agronomy, veterinary science, horticulture, forestry, and plant pathology. (Same as FNH 8173).</p> <p>Method of Instruction: B Method of Delivery: F Effective: Spring 2022</p>

+Online/Distance	<u>FDM 2524</u>	Approved	FDM 2524 Approval to Offer Online Campus 5 for Textiles for Apparel. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2021
+Online/Distance	<u>FDM 2593</u>	Approved	FDM 2593 Approval to Offer Online Campus 5 for Product Development II. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2021
Addition +Online/Distance	<u>FDM 3213</u>	Passed Contingent	FDM 3213 Fashion Forecasting.
Addition	<u>FNH 8173</u>	Approved	FNH 8173 Clinical and Applied Mycology. (3). (Prerequisites: EPP 4254/6254 or consent of instructor). One hour lecture and four hours laboratory. This course prepares students to identify fungal causal agents associated with agricultural problems, including food science, agronomy, veterinary science, horticulture, forestry, and plant pathology. (Same as EPP 8173). Method of Instruction: B Method of Delivery: F Campus: 1 CIP: 260305 30 Char: Clinical and Applied Mycology Effective: Spring 2022
Technical Change	<u>FNH 8673</u>	Approved	FNH 8673 Applied Projects for Certified Health Education Specialists. Method of Instruction: E Effective: Spring 2022
Modification +Online/Distance	<u>PSS 4393/6393</u>	Approved	FROM: Agriculture Remote Sensing II. (3). (Prerequisite: PSS 4383/6383 or GR 4313/6313). Two hours lecture. The advanced study of whole-farm systems using data captured by camera, spectroscopic satellites, and telemetric sensors. Emphasis is placed on integrating multiple ag-related geospatial concepts into field-level production inquiries. TO: Agriculture Remote Sensing II. (3). (Prerequisite: PSS 4383/6383 or GR 4313/6313). Two hours lecture and two hours laboratory. The advanced study of whole-farm systems using data captured by camera, spectroscopic satellites, and telemetric sensors. Emphasis is placed on integrating multiple ag-related geospatial concepts into field-level production inquiries. Method of Delivery: F & O Campus: 1 & 5 Effective: Spring 2022

ARCHITECTURE, ART, AND DESIGN

Technical Change	<u>ART 4620</u>	Approved	<p>FROM: ART 4620 Advanced Studio – Fine Arts. (May be taken for credit more than once). (1-9). Hours and credit to be arranged and shall not exceed a total of nine hours for all advanced studies in one semester. (Prerequisite: Senior Standing and consent of instructor). (May be taken for credit more than once). (1-9) This course develops advanced studio skills and professional practice. Course encourages analysis and criticism of aesthetic, social, ethical and related issues.</p> <p>TO: ART 4620 Advanced Studio – Fine Arts. (3-9). (Repeatable). (Prerequisite: Senior Standing and consent of instructor). Hours and credit to be arranged and shall not exceed a total of nine hours for all advanced studies in one semester. Course develops advanced studio skills and professional practice. Taken with Senior Research and Thesis to create capstone artwork.</p> <p>Repeatable: Two times Effective: Spring 2022</p>
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ARTS AND SCIENCES

Technical Change	<u>CO 3863</u>	Approved	<p>FROM: CO 3863 Public Relations Production. (3). (Prerequisites: Grade of C or better in CO 2413 and grade of C or better in CO 3853). Two hours lecture. Two hours laboratory. Detailed exercise in design and production of public relations materials for print, broadcast, and computer-based media.</p> <p>TO: CO 3863 Public Relations Production. (3). (Prerequisites: Grade of C or better in CO 2413 and grade of C or better in CO 3803). Two hours lecture. Two hours laboratory. Detailed exercise in design and production of public relations materials for print, broadcast, and computer-based media.</p> <p>Effective: Spring 2022</p>
Modification	<u>CRM 4153</u>	Tabled	CRM 4153 Mentoring Youths
Modification	<u>EN 3243</u>	Passed Contingent	EN 4243/6243 Writing Center Tutor Training.

Addition +Online/Distance	<u>GG 6543</u> (split level with 4543)	Approved	<p>GG 4543/6543 Community Engagement in Environmental Geosciences. (3). Three hours lecture. Research topics, field practices, and community engagement opportunities related to Environmental Geosciences. Activities include citizen science contributions and design; local field experiences to identify and evaluate various environmental concerns impacting communities; conduct community environmental sustainability evaluations; and develop environmental geosciences-focused community engagement events.</p> <p>Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 400699 30 Char: Community Engaged Geosciences Effective: Fall 2021</p>
Modification	<u>HI 4743/6743</u>	Passed Contingent	<p>HI 4743/6743 War, Diplomacy, and Statecraft in Europe, 1648-1989.</p>
Modification	<u>MA 1453</u>	Approved	<p>FROM: MA 1453 Precalculus with Graphing Calculators. (3). (Prerequisites: Math ACT 24 or C or Better in MA 1323 or a score of at least 70 on the Precalculus Qualifying Exam). Three hours lecture. Properties, applications, and graphs of linear, quadratic, polynomial, exponential, logarithmic and trigonometric functions, trigonometric identities, equations and inverses; inequalities. (Degree credit will not be granted for MA 1453 and either MA 1313 or MA 1323. This course is intended to prepare students to take MA 1713 Calculus I).</p> <p>TO: MA 1453 Precalculus. (3). (Prerequisites: Math ACT 24 or C or better in MA 1103 or MA 1313). Three hours lecture. Properties, applications, and graphs of linear, quadratic, polynomial, exponential, logarithmic, and trigonometric functions, identities, equations, and inverses. (Degree credit will not be granted for MA 1453 and either MA 1313/1323).</p> <p>Method of Instruction: C Method of Delivery: F & O Effective: Spring 2022</p>

BUSINESS

Technical Change	<u>MKT 3323</u>	Approved	<p>FROM: MKT 3323 International Logistics. (3). Three hours lecture. Understanding and applying logistics concepts in a global context. Includes analysis of logistics tradeoffs and integration with other business functions. Must be of junior standing or higher.</p> <p>TO: MKT 3323 International Logistics. (3). (Prerequisite: Junior standing). Three hours lecture. A general survey of the key elements of supply chain management including purchasing, operations, and logistics.</p> <p>Effective: Spring 2022</p>
Technical Change	<u>MKT 4013</u>	Approved	<p>FROM: MKT 4013 Procurement. (3). (Prerequisites: For 4013, MKT 3323; For 6013, MKT 3323 or consent of instructor. In-depth coverage of purchasing and supply management processes, strategies, and tools.</p> <p>TO: MKT 4013 Procurement. (3). (Prerequisites: For 4013, MKT 3323 and Junior standing; For 6013, MKT 3323 or consent of instructor) In-depth coverage of purchasing and supply management processes, strategies, and tools.</p> <p>Effective: Spring 2022</p>
Technical Change	<u>MKT 4033</u>	Approved	<p>FROM: MKT 4033 International Transportation. (3). Three hours lecture. Understanding the role of transportation in global logistics and the global economy.</p> <p>TO: MKT 4033 International Transportation. (3). (Prerequisites: MKT 3323 and Junior standing). Three hours lecture. Understanding the role of transportation in global logistics and the global economy.</p> <p>Effective: Spring 2022</p>
Technical Change	<u>MKT 4223</u>	Approved	<p>FROM: MKT 4223 Social Media Marketing. (3). (Prerequisites: MKT 3013 Principles of Marketing; MKT 4213 Internet Marketing (or co-enrollment in MKT 4213); Or Instructor permission). Survey of the nature and use of social media in marketing.</p> <p>TO: MKT 4223 Social Media Marketing. (3). (Prerequisites: MKT 3013 Principles of Marketing). Survey of the nature and use of social media in marketing.</p> <p>Effective: Spring 2022</p>

Technical Change	<u>MKT 4333</u>	Approved	FROM: MKT 4333 International Supply Chain Management. (3). Three hours lecture. Analysis of supply chains and their importance to the global economy. TO: MKT 4333 International Supply Chain Management. (3). (Prerequisites: MKT 3323, Junior standing, and BQA 2113). Three hours lecture. Analysis, management, and improvement of global supply chain processes. Effective: Spring 2022
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EDUCATION

Addition +Online/Distance +Meridian	<u>EDX 3253</u>	Passed Contingent	EDX 3253 Evaluating Learning in Special Education.
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ENGINEERING

Addition +Online/Distance	<u>CHE 4173/6173</u>	Approved	CHE 4173/6173 Polymer Science & Technology. (3). (Prerequisite: C or better in CH 4513 and MA 1723). Three hours lecture. Introduction to societally important polymeric materials and issues with a broad exposure to topics in polymer chemistry, properties, and processing. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 143201 30 Char: Polymer Science & Technology Effective: Fall 2021
+Online/Distance	<u>ECE 1022</u>	Approved	ECE 1022 Approval to Offer Online Campus 5 for Introduction to ECE Design II. Method of Delivery: F & O Campus: 1, 5, & 6 Effective: Fall 2021
+Online/Distance	<u>ECE 3323</u>	Passed Contingent	ECE 3323 Electromagnetics II.
+Online/Distance	<u>ECE 8673</u>	Passed Contingent	ECE 8673 Computer Methods in Power System Analysis.
Addition +Online/Distance +Gulf Coast	<u>IE 4683/6683</u>	Passed Contingent	IE 4683/6683 Machine Learning with Industrial Engineering Applications.

Addition +Online/Distance +Gulf Coast	IE 4683/6683	Passed Contingent	IE 4683/6683 Machine Learning with Industrial Engineering Applications.
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2. Program Proposals by college/school

AGRICULTURE AND LIFE SCIENCES

Modification +Online/Distance	Degree: MS Major: Agriculture Concentration: Engineering Technology	Passed Contingent	
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ARTS AND SCIENCES

Modification	Degree: MS Major: Psychology	Approved	Approved by Graduate Council. See proposal for list of revisions. Effective: Spring 2022
Modification	Degree: PhD Major: Applied Psychology Concentrations: Clinical Psychology, Cognitive Science	Approved	Forwarded to Graduate Council for review.
Technical Change	Degree: BA Major: Philosophy Concentration: Religion	Approved	See proposal for list of revisions. Effective: Spring 2022

ENGINEERING

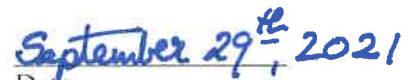
Modification	Degree: MS Major: Industrial and Systems Engineering Concentrations: Human Factors and Ergonomics. Industrial Systems. Operations Research. Management Systems Engineering. Manufacturing Systems	Approved	Approved by Graduate Council. See proposal for list of revisions. Effective: Spring 2022
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All of the proposals were approved with the exception of the following:

Proposals**



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



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 & Sciences

Department: Psychology

Contact Person: Kevin Armstrong **Mail Stop:** 9514 **E-mail:** kja3@msstate.edu

Nature of Change: Modification **Date Initiated:** 3/18/2021 **Effective Date:** 8/16/2021

Current Degree Program Name: Master of Science

Major: Psychology **Concentration:** NA

New Degree Program Name: Master of Science

Major: Psychology **Concentration:** NA

Summary of Proposed Changes:

An additional option to satisfy the research methods training is included along with a 3-hour reduction in the number of elective hours required.

Approved:

Date:

Mitchell Berman

March 19, 2021

Department Head

Heather R. Jordan

Digitally signed by Heather R.
Jordan
Date: 2021.04.23 12:38:20 -05'00'

Chair, College or School Curriculum Committee

Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

April 23, 2021

9/3/2021

9/10/21

Peter L. Ryan
Chair, Deans Council

September 29th, 2021

1. Catalog Description

No changes are being proposed to the catalog description as shown in the table below.

2. Curriculum Outline

CURRENT Degree Description		PROPOSED Degree Description	
Degree: Master of Science Major: Psychology Concentrations: NA		Degree: Master of Science Major: Psychology Concentrations: NA	
The Department of Psychology offers a doctoral degree in Applied Psychology. The objective of the program is to train applied psychologists for employment in business, industry, engineering, college, university, clinical, and other applied settings. Concentrations are offered in the areas of Cognitive Science and Clinical. The department does not offer a terminal master's degree. Students who do not already possess a master's degree earn one along the way.		The Department of Psychology offers a doctoral degree in Applied Psychology. The objective of the program is to train applied psychologists for employment in business, industry, engineering, college, university, clinical, and other applied settings. Concentrations are offered in the areas of Cognitive Science and Clinical. The department does not offer a terminal master's degree. Students who do not already possess a master's degree earn one along the way.	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
PSY 8214 Quant. Methods in Psych II	4	PSY 8214 Quant. Methods in Psych II	4
PSY 8513 Psychological Research	3	Choose one of the following two courses: PSY 8513 Psychological Research PSY 8713 Issues and Methods in Cognitive Psychology	3
PSY 8000 Thesis Research	6	PSY 8000 Thesis Research	6
Elective Hours	27	Elective Hours	24
Total Hours	40	Total Hours	37

3. Justification and Student Learning Outcomes

These changes are necessary to allow this degree to continue serving as a milestone in our doctoral program. Due to changes in the doctoral degree detailed in the accompanying degree modification for the Ph.D. in Applied Psychology, the cognitive science concentration of the doctoral degree no longer requires the PSY 8513 Research Methods course. This master's degree serves as a milestone in the doctoral program, and therefore we need to also modify this degree to include PSY 8713 Issues and Methods in Cognitive Psychology as an option to fulfill the research methods requirement of the master's degree. The only other change is to reduce the number of elective hours from 27 to 24. Currently, students in the cognitive science concentration require five semesters to meet the 27-hour elective requirement. Changing this number to 24 hours will enable them to meet the course requirements for the master's degree in four semesters.

There is no change to the student learning outcomes for our program. They remain as follows:

- Students will understand major theories and models in psychology.
- Students will understand and apply research methods in psychology.
- Students will demonstrate the ability to disseminate research findings.

4. Support

A letter of support from the psychology department graduate curriculum committee is attached.

5. Proposed 4-Letter Abbreviation

No change to the 4-letter abbreviation is needed.

6. Effective Date

8/16/2021 (Fall 2021 Semester)



MISSISSIPPI STATE
UNIVERSITY™

Department of Psychology

Magruder Hall
P.O. Box 6161
255 Lee Boulevard
Mississippi State, MS 39762
Phone: 662-325-3202
FAX: 662-325-7212

March 18, 2021

UCCC and Reviewers

The Graduate Curriculum Committee in the Department of Psychology is pleased to write this letter of support for the Ph.D. and M.S. degree modifications, and the associated course proposals submitted on behalf of the Cognitive Science program as listed below.

New Courses

PSY 8643 Psycholinguistics
PSY 8663 Individual Differences in Cognition
PSY 8673 Models of Cognition Seminar

Course Modifications

PSY 8743 Perception and Attention
PSY 8753 Advanced Human Memory
PSY 8763 Expertise and Cognitive Skill Acquisition
PSY 8773 Computational Cognitive Neuroscience

The members of the Psychology Department's Graduate Committee have reviewed and approved these proposals.

Respectfully,

Kevin J. Armstrong, Ph.D.
Associate Professor
Graduate Coordinator, Psychology Department

Jarrod Moss, Ph.D.
Associate Professor
Graduate Committee Member

Michael R. Nadorff, Ph.D.
Associate Professor
Graduate Committee Member

APPROVAL FORM FOR
DEGREE PROGRAMS
MISSISSIPPI STATE UNIVERSITY

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

College: Arts and Sciences

Department: Philosophy and Religion

Contact Person: Joseph Witt

Mail Stop: 9577

E-mail: jwitt@philrel.msstate.edu

Nature of Change: Technical Change

Date Initiated: August 16, 2021

Effective Date: January 18, 2022

Current Degree Program Name: Bachelor of Arts

Major: Philosophy

Concentration: Religion

New Degree Program Name: Bachelor of Arts


Major: Philosophy

Concentration: Religion

Summary of Proposed Changes: This technical change seeks to remove the Pre-Ministry concentration option from the catalog description language in the Philosophy curriculum and from the academic rules in Banner.

Approved:

Date:



Department Head

8/27/21

N/A
Chair, College or School Curriculum Committee


Dean of College or School

9/3/21


Chair, University Committee on Courses and Curricula

9/16/2021

N/A
Chair, Graduate Council(if applicable)


Chair, Deans Council

September 29th, 2021

DEGREE MODIFICATION OUTLINE FORM

Use the chart below to make modifications to an existing undergraduate degree outline. If any General Education (Core) course is acceptable in the category, please indicate by saying "any Gen Ed course". There is no need to type in the whole list. All deleted courses and information should be shown in *italics* and all new courses and information in **bold**. Include the course prefix, number, and title in both columns. Expand this table as needed.

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Arts in Philosophy Major: Philosophy Concentration: Religion	Degree: Bachelor of Arts in Philosophy Major: Philosophy Concentration: Religion
<p>Philosophy is the study of the basic concepts—such as reality, truth, and goodness—which underlie the more specialized pursuits of science, art, education, religion, etc. Although students often study philosophy for its own sake, the general perspective it provides, and the critical thinking skills it develops, are of immense practical value in any profession.</p> <p>The baccalaureate degree in philosophy is the accepted major for those planning to enter graduate school in philosophy. It is, however, an excellent pre-law and pre-seminary degree and, because of its general nature, philosophy is highly appropriate as a double major with any other concentrated field of study.</p> <p>The standard program leading to the Bachelor of Arts degree in philosophy has a major requirement of 30 hours, including Introduction to Philosophy, Introduction to Logic, Introduction to Ethics, History of Western Philosophy parts I and II, and Seminar in Philosophy. The final 12 hours, including six that must be PHI courses, are to be selected in consultation with, and with approval by, the major advisor.</p> <p>The department also offers a minor in philosophy, with the requirements being 15 hours of PHI courses.</p> <p>Students considering either a major or minor in philosophy should meet with one of the department's advisors as early in their careers as possible.</p>	No change
<p>Concentration Description:</p> <p>Religion refers to the basic human impulse to seek coherence in life, and to experience a sacred reality that guides and orders human existence. As an academic discipline the study of religion involves consideration of those writings, customs, and rituals that have historically served to form and distinguish religious groups. It includes examination of primitive religions and sectarian developments as well as study of the major world religions of both the east and west.</p> <p>The Department of Philosophy and Religion offers a concentration in religion leading to the Bachelor of Arts degree in philosophy. This degree is an accepted</p>	<p>Concentration Description:</p> <p>Religion refers to the basic human impulse to seek coherence in life, and to experience a sacred reality that guides and orders human existence. As an academic discipline the study of religion involves consideration of those writings, customs, and rituals that have historically served to form and distinguish religious groups. It includes examination of primitive religions and sectarian developments as well as study of the major world religions of both the east and west.</p> <p>The Department of Philosophy and Religion offers a concentration in religion leading to the Bachelor of Arts degree in philosophy. This degree is an accepted major for</p>

major for graduate school, or for a career in a professional ministry or teaching. *The religion concentration has a special pastoral track for students who wish to prepare for graduate seminary studies.* The broad historical and cultural orientation of the philosophy degree with a religion concentration makes it an excellent preparation for any career. It is highly appropriate as a double major, or as a minor in association with another field of study.

The major with the concentration in religion has a requirement of 30 hours. Of these, nine hours are required in philosophy. The philosophy component may be satisfied by taking either a) Introduction to Philosophy, Introduction to Logic, and the Seminar in Philosophy, or b) History of Western Philosophy I and II, and the Seminar in Philosophy. The remaining 21 hours must include Introduction to Religion, World Religions I and II, six hours of REL courses, and six hours of REL or PHI courses which are to be selected in consultation with, approved by, the Religion advisor.

The Department also offers a minor in Religion, with the requirement being 15 hours of any REL courses.

graduate school, or for a career in a professional ministry or teaching. The broad historical and cultural orientation of the philosophy degree with a religion concentration makes it an excellent preparation for any career. It is highly appropriate as a double major, or as a minor in association with another field of study.

The major with the concentration in religion has a requirement of 30 hours. Of these, nine hours are required in philosophy. The philosophy component may be satisfied by taking either a) Introduction to Philosophy, Introduction to Logic, and **either** the Seminar in Philosophy or b) History of Western Philosophy I and II, and the Seminar in Philosophy. The remaining 21 hours must include Introduction to Religion, World Religions I and II, six hours of REL courses, and six hours of REL or PHI courses which are to be selected in consultation with, approved by, the Religion advisor.

The Department also offers a minor in Religion, with the requirement being 15 hours of any REL courses.

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
English Composition: EN 1103 English Comp I Or EN 1163 Accelerated Comp I EN 1113 English Comp II Or EN 1173 Accelerated Comp II	6	English Composition: No Change	6
Foreign Language: 3 semesters – one Foreign Language	9	Foreign Language: No Change	9
Humanities: Literature – see University/A&S Core History – see University/A&S Core Philosophy Elective – see major Humanities Elective – see major. Must be from 2 different areas – see A&S Core	3 3 3 9	Humanities: No Change	3 3 3 9
Math: MA 1313 College Algebra MA 1323 Trigonometry Or ST 2113 Intro to Stats	3 3	Math: No Change	3 3
Fine Arts: See University/A&S Requirements	3	Fine Arts: No Change	3
Natural Sciences: Physical Sciences w/lab (CH, GG, PH) Biological Sciences w/lab (BIO, EPP, PO) Natural Science Elective	3-4 3-4 3-4	Natural Sciences: No Change	3-4 3-4 3-4

Social Sciences: See A&S requirements Social Sciences Electives	6 12	Social Sciences: No Change	6 12
Concentration Core: REL 1103 Introduction to Religion REL 3213 World Religions I REL 3223 World Religions II Choose one of the following combinations: PHI 1103 Intro to Philosophy & PHI 1113 Intro to Logic PHI 3023 History of Western Philosophy I & 3033 History of Western Philosophy II	3 3 3 6	Concentration Core: No Change	3 3 3 6
Electives: REL/PHI Electives	12	Electives: No Change	12
Oral Communication Requirement: CO 1003 Fundamentals of Public Speaking	3	Oral Communication Requirement: No Change	3
Writing Requirement: PHI 3133 Seminar in Philosophy	3	Writing Requirement: No Change	3
Computer Literacy: Choose one of the following: TKT 1273 Computer Applications BIS 1012 Introduction to Business Information Systems CSE 1233 Computer Programming with C CSE 1273 Computer Programming with Java	3	Computer Literacy: No Change	3
General Electives: Consult advisor	19	General Electives: No Change	19
Total Hours	124	Total Hours	124

From: Turner, Jenny JTurner@registrar.msstate.edu
Subject: RE: Philosophy and Religion Concentration Modificatn
Date: July 6, 2021 at 3:27 PM
To: Witt, Joseph jwitt@philrel.msstate.edu
Cc: Thompson, Robert jrt@philrel.msstate.edu, Shaw, Emily emily.shaw@msstate.edu

Dr. Witt:

In the undergraduate catalog, the only reference to the pre-ministry concentration is in the program catalog description which says: "The religion concentration has a special pastoral track for students who wish to prepare for graduate seminary studies." It appears the track or concentration has been deleted from the catalog, but the track or concentration is still part of the Academic Rules in Banner. I discussed this situation with the Associate Registrar Emily Shaw, and we determined a technical change would help this two listings to match.

A technical change program proposal is approved by the department head and the associate dean, and then it is placed on the next change notice that goes to Dr. Ryan for final approval. A technical change program proposal is not required to appear on the UCCC agenda.

To prepare the technical change program proposal, please go to uccc.msstate.edu > proposal manual > UCCC forms > Word Forms > use the degree cover sheet and the degree modification outline. I am attaching an example of a technical change for you to review. Note that on the left side of the degree modification form, anything that will be revised or deleted is italicized. On the right side of the degree modification form, anything that is being added is bolded. (In the example the revisions are on page 5 of the proposal).

After you review these forms, please give call me, and we can discuss any questions you have.

Thanks,
Jenny

Jenny Turner
Assistant Coordinator for Curriculum and Scheduling
Office of the Registrar
Post Office Box 5268
Mississippi State, Mississippi 39762
662.325.9410
jturner@registrar.msstate.edu

From: Witt, Joseph <jwitt@philrel.msstate.edu>
Sent: Saturday, June 26, 2021 4:21 PM
To: Turner, Jenny <JTurner@registrar.msstate.edu>
Cc: Thompson, Robert <jrt@philrel.msstate.edu>; Shaw, Emily <emily.shaw@msstate.edu>
Subject: Re: Philosophy and Religion Concentration Modificatn

Thank you, that's great. Thanks for the help with this.

Sincerely,

Joe

From: Turner, Jenny <JTurner@registrar.msstate.edu>
Date: Friday, June 25, 2021 at 3:48 PM
To: Witt, Joseph <jwitt@philrel.msstate.edu>
Cc: Thompson, Robert <jrt@philrel.msstate.edu>, Shaw, Emily <emily.shaw@msstate.edu>
Subject: RE: Philosophy and Religion Concentration Modificatn

Dr. Witt:

I think your issue can be resolved with a program technical change proposal.
I will be out of the office next week, but I will get back with you as soon as I return.
Technical changes only have to be approved by the department head and the associate dean. Then the technical change proposal can be placed on the next change notice that goes to Dr. Ryan.
Have a good weekend,
Jenny

Jenny Turner
Assistant Coordinator for Curriculum and Scheduling
Office of the Registrar
Post Office Box 5268
Mississippi State, Mississippi 39762
662.325.9410
jturner@registrar.msstate.edu

From: Witt, Joseph <jwitt@philrel.msstate.edu>
Sent: Monday, June 21, 2021 10:19 AM
To: Turner, Jenny <JTurner@registrar.msstate.edu>
Cc: Thompson, Robert <jrt@philrel.msstate.edu>
Subject: Re: Philosophy and Religion Concentration Modificatn

Hello Jenny,

I just wanted to check back in about this question regarding a curriculum change.

Just as a quick reminder, in the Philosophy and Religion department in Arts and Sciences we have an old Pre-Ministry concentration that we haven't used in at least 10 years. In effect, it has been absorbed into our Religion concentration—students interested in ministry can still get what they need from the other concentration. We don't advertise pre-ministry anymore. However, students are still somehow finding it and signing up for it—we just had two this summer.

So the question is how we can go about cutting this old concentration that no longer has a unique curriculum, or at least make it so incoming students don't still sign up for it.

Thank you again for any help you're able to provide on this.

Sincerely,

Joe Witt
Associate Professor and Curriculum Committee Chair

Associate Professor and Curriculum Committee Chair
Undergraduate Program Coordinator, Religion
Department of Philosophy and Religion

From: Turner, Jenny <JTurner@registrar.msstate.edu>
Date: Tuesday, May 25, 2021 at 8:18 AM
To: Witt, Joseph <jwitt@philrel.msstate.edu>
Cc: Thompson, Robert <jrt@philrel.msstate.edu>
Subject: Re: Philosophy and Religion Concentration Modificatn

Dr. Witt:
Thank you for your email. I will check on this and get back to you.
Jenny

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From: Witt, Joseph <jwitt@philrel.msstate.edu>
Sent: Friday, May 21, 2021 9:38 AM
To: Turner, Jenny
Cc: Thompson, Robert
Subject: Philosophy and Religion Concentration Modificatn

Dear Ms. Turner,

We are looking to drop one of our official concentrations in the Philosophy and Religion department. We currently have Religion and Pre-Ministry concentrations, but are looking to drop the Pre-Ministry concentration because there is no unique curriculum associated with it and it has become redundant with the Religion concentration.

So, I just wanted to reach out to you to see which form we'll need to file with the UCCC to make such a change. My initial thought was that it would be the degree program deletion form, but I wanted to first check to be sure.

Thank you for your help.

Joe Witt
Associate Professor of Religion
Department Curriculum Committee, Chair
Undergraduate Program Coordinator, Religion
Mississippi State University



4995_001.pdf



MISSISSIPPI STATE
UNIVERSITY™

COLLEGE OF ARTS & SCIENCES

Department of Philosophy & Religion

P.O. Box JS

233 Lee Blvd

MS State, MS 39762

P. 662.325.2382

www.philosophyandreligion.msstate.edu

August 11, 2021

Dear Dr. Ryan,

Please find attached documentation proposing a technical change to the curriculum of the Department of Philosophy and Religion. We are seeking to remove the Pre-Ministry concentration option from the catalog description language in the Philosophy curriculum and from the academic rules in Banner.

The Pre-Ministry concentration has not been used for at least a decade and is also now redundant with the Religion concentration, which we intend to keep in place. Students seeking careers in ministry are still able to fulfill those goals with the standard Religion curriculum. Furthermore, the curriculum for the Pre-Ministry concentration on CAPP appears to be the same as the Philosophy major, so the concentration appears unique in name only. However, while we do not advise students to enroll in this concentration, it nonetheless remains an option for students in Banner and it appears as a concentration option in the CAPP reports. Students are thus still able to enroll in this concentration that is not being used and has no unique classes or requirements.

Removing the Pre-Ministry concentration would streamline our advising, avoid misleading prospective students about a concentration that is not being used, and help to update the official record to reflect the courses and options offered in the Department of Philosophy and Religion in the current day.

Thank you for your consideration and please feel free to contact the curriculum committee or department head with any questions about this request.

Sincerely,

Dr. Joseph Witt

Associate Professor of Religion and Curriculum Committee Chair

Dr. Bart Moffatt

Associate Professor of Philosophy and Curriculum Committee member

Dr. Robert Thompson

Associate Professor of Philosophy and Department Head

**Provost & Executive
Vice President**

SEP 07 2021

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COLLEGE OF ARTS & SCIENCES

Department of Philosophy & Religion

J. Robert Thompson, Head

George Hall 1010

233 Lee Blvd

P.O. Box JS

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P. 662.325.2161

F. 662.325.3340

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Drs. Loehwing and Anderson:

Enclosed is a proposed amendment to the Department of Philosophy and Religion's offerings. A chain of emails with Jenny Turner and Emily Cain is also included to document the decision-making process on this matter.

Turner and Cain recommend that the elimination of this concentration be accomplished by a technical change, approved by the head and the associate dean, and then included on a list of changes sent to Dr. Ryan's office.

The short version of this change is that the department once offered a Pre-Ministry concentration for its students. Although many of our majors continue to enter the ministry, this concentration has not been used, purposefully, in almost a decade. Around 2013, the religion advisor stopped directing students to this concentration and the course catalog soon no longer included it. It has been difficult to determine how this decision, of sorts, was made, but the upshot was that the concentration was no longer publicized, yet it was not officially eliminated. When I became head, I believed that the concentration had been officially eliminated, but apparently it has lived on in some form. In recent semesters, new students have located this concentration as an option during registration and have selected it as their degree program. It also still appears as an entry in CAPP (though there is no special curriculum associated with it), and it appears on the Provost's list of academic concentrations (even though it has not been in the course catalogue for some time).

Enclosed is the technical change form and the accompanying letter of support to eliminate this concentration.

Sincerely,

J. Robert Thompson, Ph.D.

Head

Department of Philosophy and Religion

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: BCoE

Department: Industrial and Systems Engineering

Contact Person: Dr. Linkan Bian

Mail Stop: 9542

E-mail: bian@ise.msstate.edu

Nature of Change: Modification

Date Initiated: 07/09/2021

Effective Date: 01/01/2022

Current or New Degree Program Name: Master of Science in Industrial and Systems Engineering

Major: Industrial and Systems Engineering

Concentration:

1. Human Factors and Ergonomics
2. Industrial Systems
3. Operations Research
4. Management Systems Engineering
5. Manufacturing Systems

Summary of Proposed Changes:

1. For the Manufacturing Systems concentration, we propose to remove the degree requirement of "B.S. in engineering from an ABET-accredited program or permission from the Manufacturing Systems Committee" and add the prerequisite foundational course requirements of "MA 1713, 1723, 2733, 2743 (Calculus I, II, III, IV)".
2. For the Management Systems Engineering concentration, we propose to remove the degree requirement of "B.S. in engineering from an ABET-accredited program or permission from the Management Systems Engineering Committee" and add the prerequisite foundational course requirements of "MA 1713, 1723, 2733, 2743 (Calculus I, II, III, IV)".

Approved:

Date:



Department Head

7/9/2021

Dr John Ball

Digitally signed by Dr John Ball
DN: cn=Dr John Ball, o=MSU, ou=ECE,
email=jeball@ece.msu.edu, c=US
Date: 2021.08.17 14:44:21 -05'00'

8/17/2021

Chair, College or School Curriculum Committee

Kari Babski-Reeves for Jason Keith

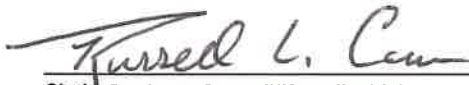
Digitally signed by Kari Babski-Reeves for Jason Keith
Date: 2021.08.17 14:46:09 -05'00'

Dean of College or School



Chair, University Committee on Courses and Curricula

9/3/2021



Chair, Graduate Council (if applicable)

9/10/21



Chair, Deans Council

September 29th, 2021



DEPARTMENT OF INDUSTRIAL
& SYSTEMS ENGINEERING

Linkan Bian, Ph.D.
bian@ise.msstate.edu

July 9, 2021

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

Dear UCCC,

The Industrial and Systems Engineering (ISE) department discussed the proposal for the following changes of the M.S. degree program.

1. For the Manufacturing Systems concentration, we propose to remove the degree requirement of "B.S. in engineering from an ABET-accredited program or permission from the Manufacturing Systems Committee" and add the foundational course requirements of **"MA 1713, 1723, 2733, 2743 (Calculus I, II, III, IV)"**.
2. For the Management Systems Engineering concentration, we propose to remove the degree requirement of "B.S. in engineering from an ABET-accredited program or permission from the Management Systems Engineering Committee" and add the foundational course requirements of **"MA 1713, 1723, 2733, 2743 (Calculus I, II, III, IV)"**.

These changes will allow the ISE M.S. program to admit students, who do not have undergraduate engineering degrees from ABET-accredited programs to these two concentrations. After some discussion, we put this proposal to the entire ISE faculty for a vote. The faculty members are unanimously in favor of making these changes.

Sincerely,

Linkan
Bian

Digitally signed by
Linkan Bian
Date: 2021.07.09
11:55:48 -05'00'

Linkan Bian, Ph.D.
Thomas B. & Terri L. Nusz Professor
Associate Professor and Graduate Coordinator
Industrial and Systems Engineering

Approved:

Linkan Bian, Ph.D.

Reuben Burch, Ph.D.

Raed Jaradat, Ph.D.

Junfeng Ma, Ph.D.

Mohammad Marufuzzaman, Ph.D.

Nazanin Morshedlou, Ph.D.

Brian Smith, Ph.D.

Lesley Strawderman, Ph.D.

Wenmeng Tian, Ph.D.

Haifeng Wang, Ph.D.

Signature and Date:

Linkan Bian

Digitally signed by Linkan Bian
Date: 2021.07.09 11:56:08
-05'00'

Reuben F.
Burch V

Digitally signed by Reuben
F. Burch V
Date: 2021.07.12 15:10:00
-05'00'

Linkan Bian

Digitally signed by Linkan Bian
Date: 2021.07.14 13:00:22
-05'00'

LB signed with permission

Junfeng Ma

Digitally signed by Junfeng Ma
Date: 2021.07.09 13:43:11 -05'00'



Nazanin Morshedlou

Digitally signed by Nazanin Morshedlou
Date: 2021.07.09 14:02:59 -05'00'

Brian K. Smith,
PhD, CPEM

Digitally signed by Brian K.
Smith, PhD, CPEM
Date: 2021.07.09 14:21:18
-05'00'

Lesley Strawderman

Digitally signed by Lesley
Strawderman
Date: 2021.07.13 09:59:44 -05'00'

Wenmeng Tian

Digitally signed by Wenmeng
Tian
Date: 2021.07.12 11:44:14 -05'00'

Haifeng Wang

Digitally signed by Haifeng Wang
Date: 2021.07.12 15:49:34 -05'00'

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.

Old degree catalog description:	Old degree catalog description:
Master of Science in Industrial and Systems Engineering with Management Systems Engineering Concentration (MGTS) - Thesis	Master of Science in Industrial and Systems Engineering with Management Systems Engineering Concentration (MGTS) - Thesis
Prerequisites (foundational courses) are:	Prerequisites (foundational courses) are:
<ul style="list-style-type: none"> <i>B.S. in engineering from an ABET-accredited program or permission from the MSE Technical Committee</i> IE 3913 IE 4613/6613 	<ul style="list-style-type: none"> MA 1713, 1723, 2733, 2743 (Calculus I, II, III, IV) IE 3913 IE 4613/6613
<u>IE 6513</u> Engineering Administration 3	<u>IE 6513</u> Engineering Administration 3
<u>IE 6533</u> Project Management 3	<u>IE 6533</u> Project Management 3
<u>IE 6573</u> Process Improvement Engineering 3	<u>IE 6573</u> Process Improvement Engineering 3
<u>IE 8583</u> Enterprise Systems Engineering 3	<u>IE 8583</u> Enterprise Systems Engineering 3
<u>IE 8913</u> Engineering Economy II 3	<u>IE 8913</u> Engineering Economy II 3
<u>IE 8000</u> Thesis Research/ Thesis in Industrial Engineering 6	<u>IE 8000</u> Thesis Research/ Thesis in Industrial Engineering 6
At least two non-MSE ISE courses 6	At least two non-MSE ISE courses 6
Course to be selected by the student along with academic advisor and graduate program committee 3	Course to be selected by the student along with academic advisor and graduate program committee 3
Total Hours 30	Total Hours 30
A thesis and an oral comprehensive examination in defense of the thesis are required.	A thesis and an oral comprehensive examination in defense of the thesis are required.
Additional requirements are:	Additional requirements are:
<ol style="list-style-type: none"> A minimum of 12 hours at the 8000-level is required. No ISE graduate student may list <u>ST 8114</u> or <u>IE 6613</u> on his/her graduate program No program can contain more than 15 hours of courses that are required in the bachelor's degree curriculum No program can contain more than 6 hours of Directed Individual Study (<u>IE 7000</u>). 	<ol style="list-style-type: none"> A minimum of 12 hours at the 8000-level is required. No ISE graduate student may list <u>ST 8114</u> or <u>IE 6613</u> on his/her graduate program No program can contain more than 15 hours of courses that are required in the bachelor's degree curriculum No program can contain more than 6 hours of Directed Individual Study (<u>IE 7000</u>).
The thesis-option Master of Science in Industrial Engineering requires at least 24 credit hours of coursework above the baccalaureate degree. IE 9000 does not apply to M.S. students.	The thesis-option Master of Science in Industrial Engineering requires at least 24 credit hours of coursework above the baccalaureate degree. IE 9000 does not apply to M.S. students.
Master of Science in Industrial and Systems	

Engineering with Management Systems Engineering Concentration (MGTS) - Non-Thesis		
Prerequisites (foundational courses) are:		
<ul style="list-style-type: none">• <i>B.S. in engineering from an ABET-accredited program or permission from the MSE Technical Committee</i>• IE 3913• IE 4613/6613		
<u>IE 6513</u>	Engineering Administration	3
<u>IE 6533</u>	Project Management	3
<u>IE 6573</u>	Process Improvement Engineering	3
<u>IE 8583</u>	Enterprise Systems Engineering	3
<u>IE 8913</u>	Engineering Economy II	3
At least two non-MSE ISE courses		6
Other courses to be selected by the student along with the academic advisor and graduate program committee		9
Total Hours		30
A written and oral comprehensive final exam on the coursework. At least 15 hours for the M.S. non-thesis degree must be from 8000-level courses or above. The specific courses required depend upon the student's area of concentration. IE 8000 Research/Thesis does not apply to non-thesis students.		
Additional requirements are:		
<ol style="list-style-type: none">1. No ISE graduate student may list <u>ST 8114</u> or <u>IE 6613</u> on his/her graduate program2. No program can contain more than 15 hours of courses that are required in the bachelor's degree curriculum3. No program can contain more than 6 hours of Directed Individual Study (<u>IE 7000</u>).		
The non-thesis Master of Science requires at least 30 credit hours of coursework above the baccalaureate degree. IE 9000 does not apply to M.S. students.		
Master of Science in Industrial and Systems Engineering with Manufacturing Systems Concentration (MFGS) - Thesis		
Prerequisites (foundational courses) are:		
<ul style="list-style-type: none">• <i>B.S. in engineering from an ABET-accredited program or permission from the Manufacturing Systems Technical Committee</i>• Computer programming proficiency• IE 4333/6333• IE 4613/6613		

Master of Science in Industrial and Systems Engineering with Management Systems Engineering Concentration (MGTS) - Non-Thesis		
Prerequisites (foundational courses) are:		
<ul style="list-style-type: none">• MA 1713, 1723, 2733, 2743 (Calculus I, II, III, IV)• IE 3913• IE 4613/6613		
<u>IE 6513</u>	Engineering Administration	3
<u>IE 6533</u>	Project Management	3
<u>IE 6573</u>	Process Improvement Engineering	3
<u>IE 8583</u>	Enterprise Systems Engineering	3
<u>IE 8913</u>	Engineering Economy II	3
At least two non-MSE ISE courses		6
Other courses to be selected by the student along with the academic advisor and graduate program committee		9
Total Hours		30
A written and oral comprehensive final exam on the coursework. At least 15 hours for the M.S. non-thesis degree must be from 8000-level courses or above. The specific courses required depend upon the student's area of concentration. IE 8000 Research/Thesis does not apply to non-thesis students.		
Additional requirements are:		
<ol style="list-style-type: none">4. No ISE graduate student may list <u>ST 8114</u> or <u>IE 6613</u> on his/her graduate program5. No program can contain more than 15 hours of courses that are required in the bachelor's degree curriculum6. No program can contain more than 6 hours of Directed Individual Study (<u>IE 7000</u>).		
The non-thesis Master of Science requires at least 30 credit hours of coursework above the baccalaureate degree. IE 9000 does not apply to M.S. students.		
Master of Science in Industrial and Systems Engineering with Manufacturing Systems Concentration (MFGS) - Thesis		
Prerequisites (foundational courses) are:		
<ul style="list-style-type: none">• MA 1713, 1723, 2733, 2743 (Calculus I, II, III, IV)• Computer programming proficiency		

<u>IE 6653</u>	Industrial Quality Control	3	• IE 4333/6333		
<u>IE 8333</u>	Production Control Systems II	3	• IE 4613/6613		
<u>IE 8000</u>	Thesis Research/ Thesis in Industrial Engineering	6	<u>IE 6653</u>	Industrial Quality Control	3
At least two Manufacturing Systems ISE courses		6	<u>IE 8333</u>	Production Control Systems II	3
At least two non-Manufacturing Systems ISE courses		6	<u>IE 8000</u>	Thesis Research/ Thesis in Industrial Engineering	6
Course to be selected by the student along with the academic advisor and graduate program committee		3	At least two Manufacturing Systems ISE courses		6
Total Hours		27	At least two non-Manufacturing Systems ISE courses		6
A thesis and an oral comprehensive examination in defense of the thesis are required.			Course to be selected by the student along with the academic advisor and graduate program committee		3
Additional requirements are:			Total Hours		27
1. A minimum of 12 hours coursework must be at the 8000-level or higher.			A thesis and an oral comprehensive examination in defense of the thesis are required.		
2. No ISE graduate student may list <u>ST 8114</u> or <u>IE 6613</u> on his/her graduate program			Additional requirements are:		
3. No program can contain more than 15 hours of courses that are required in the bachelor's degree curriculum			5. A minimum of 12 hours coursework must be at the 8000-level or higher.		
4. No program can contain more than 6 hours of Directed Individual Study (<u>IE 7000</u>).			6. No ISE graduate student may list <u>ST 8114</u> or <u>IE 6613</u> on his/her graduate program		
The thesis-option Master of Science in Industrial Engineering requires at least 24 credit hours of coursework above the baccalaureate degree. IE 9000 does not apply to M.S. students.			7. No program can contain more than 15 hours of courses that are required in the bachelor's degree curriculum		
			8. No program can contain more than 6 hours of Directed Individual Study (<u>IE 7000</u>).		
Master of Science in Industrial and Systems Engineering with Manufacturing Systems Concentration (MFGS) - Non-Thesis			The thesis-option Master of Science in Industrial Engineering requires at least 24 credit hours of coursework above the baccalaureate degree. IE 9000 does not apply to M.S. students.		
Prerequisites (foundational courses) are:					
• B.S. in engineering from an ABET-accredited program or permission from the Manufacturing Systems Technical Committee					
• Computer programming proficiency					
• IE 4333/6333					
• IE 4613/6613					
<u>IE 6653</u>	Industrial Quality Control	3	<u>IE 6653</u>	Industrial Quality Control	3
<u>IE 8333</u>	Production Control Systems II	3	<u>IE 8333</u>	Production Control Systems II	3
At least two Manufacturing Systems ISE courses		6	At least two Manufacturing Systems ISE courses		6
At least two non-Manufacturing Systems		6	At least two non-Manufacturing Systems		6

<p>ISE courses</p> <p>Other courses to be selected by the student along with the academic advisor and graduate program committee 9</p> <p>Total Hours 27</p> <p>A written and oral comprehensive final exam on the coursework. At least 15 hours for the M.S. non-thesis degree must be from 8000-level courses or above. The specific courses required depend upon the student's area of concentration. IE 8000 Research/Thesis does not apply to non-thesis students. IE 9000 does not apply to M.S. students.</p> <p>Additional requirements are:</p> <ol style="list-style-type: none"> 1. No ISE graduate student may list <u>ST 8114</u> or <u>IE 6613</u> on his/her graduate program 2. No program can contain more than 15 hours of courses that are required in the bachelor's degree curriculum 3. No program can contain more than 6 hours of Directed Individual Study (<u>IE 7000</u>). <p>The non-thesis Master of Science requires at least 30 credit hours of coursework above the baccalaureate degree. IE 9000 does not apply to M.S. students.</p>		<p>ISE courses</p> <p>Other courses to be selected by the student along with the academic advisor and graduate program committee 9</p> <p>Total Hours 27</p> <p>A written and oral comprehensive final exam on the coursework. At least 15 hours for the M.S. non-thesis degree must be from 8000-level courses or above. The specific courses required depend upon the student's area of concentration. IE 8000 Research/Thesis does not apply to non-thesis students. IE 9000 does not apply to M.S. students.</p> <p>Additional requirements are:</p> <ol style="list-style-type: none"> 4. No ISE graduate student may list <u>ST 8114</u> or <u>IE 6613</u> on his/her graduate program 5. No program can contain more than 15 hours of courses that are required in the bachelor's degree curriculum 6. No program can contain more than 6 hours of Directed Individual Study (<u>IE 7000</u>). <p>The non-thesis Master of Science requires at least 30 credit hours of coursework above the baccalaureate degree. IE 9000 does not apply to M.S. students.</p>	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
See above section – Concentration Description and Curriculum Outline/hours are now combined in the Graduate Catalog; therefore, outline is not repeated here.		See above section – Concentration Description and Curriculum Outline/hours are now combined in the Graduate Catalog; therefore, outline is not repeated here.	

Justification of the proposed changes: These changes will allow the ISE M.S. program to admit students, who do not have undergraduate engineering degrees from ABET-accredited programs to these two concentrations.