

## A MEMORANDUM

DATE            April 13, 2020  
TO:             UCCC Members  
FROM:          Dr. Dana Pomykal Franz, Chair  
SUBJECT:      April 23, 2020 Meeting

The agenda and proposals for the meeting on **Thursday, April 23, 2020 beginning at 9:00 a.m.** are enclosed. The meeting will be held by WebEx. Please contact the UCCC Office if you are unable to participate.

The minutes from the April 3, 2020 UCCC meeting and the link for WebEx will be sent to you in a separate email.

Thank you.

Enclosures: Course/Curriculum Proposals

**AGENDA**  
**UNIVERSITY COMMITTEE ON COURSES AND CURRICULA**  
**April 23, 2020**

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

**AGRICULTURE AND LIFE SCIENCES**

Addition +Online/Distance	<a href="#">BCH 2023</a>	Molecular Mechanisms of Human Diseases
Modification	<a href="#">FNH 3000</a>	Nutrition Field Experience

**ARCHITECTURE, ART AND DESIGN**

Addition	<a href="#">ARC 6623</a> (split level with 4623)	Historical Preservation Research Methods
Addition	<a href="#">ART 4163</a>	Visual Storytelling
Addition	<a href="#">ART 4423</a>	Presentation Skills for Designers
Addition	<a href="#">BCS 2013</a>	Construction and Culture
Addition	<a href="#">BCS 2313</a>	Virtual Design and Construction
Modification	<a href="#">BCS 3006</a>	Construction Internship/Co-Op
Modification	<a href="#">ID 4403</a> /6403	Introduction to Historic Preservation

**ARTS & SCIENCES**

+Online/Distance	<a href="#">CO 2413</a>	Introduction to News Writing and Reporting
+Online/Distance	<a href="#">CO 3853</a>	Public Relations Writing
+Online/Distance	<a href="#">CO 3863</a>	Public Relations Production
Addition +Online/Distance	<a href="#">CO 3873</a>	Public Relations Multimedia
+Online/Distance	<a href="#">CO 4813</a> /6813	Public Relations in Organizations
Modification	<a href="#">EN 4903</a> /6903	Nineteenth-Century American Literature
Addition	<a href="#">GS 4543</a>	Gender and Food
Addition	<a href="#">PH 8111</a>	Seminars and Colloquia
Modification +Online/Distance	<a href="#">PPA 8133</a>	City and County Government (Tabled at April 3, 2020 meeting)
Addition	<a href="#">PS 4373</a> /6373	International Terrorism
Addition	<a href="#">SO 4543</a>	Gender and Food
Addition	<a href="#">SW 4543</a>	Gender and Food

**BUSINESS**

+Online/Distance	<a href="#">MKT 4123</a>	Advertising
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**EDUCATION**

Addition	<a href="#">EDS 3413</a>	Principles of Secondary Education
Addition +Online/Distance	<a href="#">EDS 4403</a>	Evaluation of Learning in Secondary Schools
Modification +Online/Distance	<a href="#">KI 2603</a>	Medical Terminology

**ENGINEERING**

Modification +Online/Distance	<a href="#">CSE 1011</a>	Introduction to CSE
Addition +Online/Distance	<a href="#">CSE 2213</a>	Methods and Tools in Software Development
Modification (Reactivation) +Online/Distance	<a href="#">CSE 3183</a>	Systems Programming
Addition +Online/Distance	<a href="#">CSE 3723</a>	Computer Organization
Modification +Online/Distance	<a href="#">CSE 4714/6714</a>	Theory and Implementation of Programming Languages
+Online/Distance	<a href="#">EM 8313</a>	Advanced Dynamics
+Online/Distance	<a href="#">ME 4343/6343</a>	Intermediate Heat Transfer
+Online/Distance	<a href="#">ME 4643/6643</a>	Introductions to Vibrations and Controls
+Online/Distance	<a href="#">ME 8613</a>	Dynamical Systems

**FORESTRY RESOURCES**

Modification +Online/Distance	<a href="#">SBP 3113</a>	Physics of Biomaterials
Addition	<a href="#">SBP 3133</a>	Mechanics of Biomaterials
Modification +Online/Distance	<a href="#">SBP 6113</a> (split level with SBP 4113)	Adhesives and Composites
Modification	<a href="#">WFA 4123</a>	Wildlife & Fisheries Biometrics

**4. Degree proposals by college/school****ARCHITECTURE, ART AND DESIGN**

Modification	BS	Building Construction Science
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**ARTS AND SCIENCES**

Modification +Online/Distance	BA	Communication/Public Relations
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**BUSINESS**

Modification	MTX	Taxation
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**ENGINEERING**

Modification	BS	Computer Science
Modification	BS	Software Engineering

APPROVAL FORM FOR  
**DEGREE PROGRAMS**  
MISSISSIPPI STATE UNIVERSITY

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

**College:** College of Architecture, Art & Design **Department:** Building Construction Science

**Contact Person:** Alireza Shojaei **Mail Stop:** 9635 **E-mail:** Shojaei@caad.msstate.edu

**Nature of Change:** Modification **Date Initiated:** 2/13/2020 **Effective Date:** Fall 2020

**Current Degree Program Name:** Bachelor of Science

**Major:** Building Construction Science

**Concentration:** N/A

**New Degree Program Name:** Bachelor of Science

**Major:** Building Construction Science

**Concentration:** N/A

**Summary of Proposed Changes:**

- Delete ID 3363 3/D CAD/Modeling from the Building Construction Science curriculum.
- Add BCS 2313 Virtual Design and Construction to the Building Construction Science curriculum.
- Change BCS 3006 Construction Internship/Co-Op to a Pass/Fail grading scheme.
- Make BCS 3006 Construction Internship/Co-Op an optional substitute for BCS 2116 Building Construction Studio 1 or BCS 3126 Building Construction Studio 4.

**Approved:**

**Date:**

  
\_\_\_\_\_  
Department Head

2/14/2020  
\_\_\_\_\_

see email approval

\_\_\_\_\_  
Chair, College or School Curriculum Committee

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\_\_\_\_\_  
Dean of College or School

4.13.2020  
\_\_\_\_\_

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Chair, University Committee on Courses and Curricula

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Chair, Graduate Council(if applicable)

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Chair, Deans Council

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## DEGREE MODIFICATION OUTLINE FORM

1. CATALOG DESCRIPTION: No significant changes in the focus of the curriculum are proposed. The catalog description will not change.
2. CURRICULUM OUTLINE: See below.

CURRENT Degree Description	PROPOSED Degree Description
<p>Degree: Bachelor of Science Major: Building Construction Science Concentration: Not Applicable</p> <p>The Building Construction Science degree program is a four year Bachelor of Science degree designed to prepare graduates for careers in construction or construction-related fields. The 124 credit hour program is an interdisciplinary curriculum that builds upon expertise existing within the School of Architecture and the College of Engineering and the College of Business as well as the building construction industry to provide a knowledge base in business, engineering, and construction sciences. The curriculum's foundational areas are based on a problem-and inquiry-based learning. Through the four year studio curriculum, students learn by applying skills and knowledge to complex construction problems that integrate multiple subject areas. The studio-based teaching focuses on the use of case studies and integration of multiple subject areas. This integration of a broader scope of architectural, engineering, construction, and business practices is a different approach than a traditional construction technology curriculum that separates subject areas into distinct courses.</p> <p>The Building Construction Science curriculum includes a general education foundation of mathematics, science, business, and construction specific courses: construction systems, building technology, structures, and materials and methods of construction and incorporates these and other areas such as estimating, scheduling, safety, project management, and construction law into the studio curriculum. Course development is built upon the strengths of the three colleges that are collaborating in the effort. Many colleges involve hands-on making using both materials and material constructions. Building Construction Science students collaborate with architecture, engineering, and interior design students as a regular part of their course work. The Building Construction Science curriculum has been designed to meet the criteria established by the American Council for Construction Education (ACCE) and program accreditation is being pursued.</p>	<p>Degree: Bachelor of Science Major: Building Construction Science Concentration: Not Applicable</p> <p>The Building Construction Science degree program is a four year Bachelor of Science degree designed to prepare graduates for careers in construction or construction-related fields. The 124 credit hour program is an interdisciplinary curriculum that builds upon expertise existing within the School of Architecture and the College of Engineering and the College of Business as well as the building construction industry to provide a knowledge base in business, engineering, and construction sciences. The curriculum's foundational areas are based on a problem-and inquiry-based learning. Through the four year studio curriculum, students learn by applying skills and knowledge to complex construction problems that integrate multiple subject areas. The studio-based teaching focuses on the use of case studies and integration of multiple subject areas. This integration of a broader scope of architectural, engineering, construction, and business practices is a different approach than a traditional construction technology curriculum that separates subject areas into distinct courses.</p> <p>The Building Construction Science curriculum includes a general education foundation of mathematics, science, business, and construction specific courses: construction systems, building technology, structures, and materials and methods of construction and incorporates these and other areas such as estimating, scheduling, safety, project management, and construction law into the studio curriculum. Course development is built upon the strengths of the three colleges that are collaborating in the effort. Many colleges involve hands-on making using both materials and material constructions. Building Construction Science students collaborate with architecture, engineering, and interior design students as a regular part of their course work. The Building Construction Science curriculum has been designed to meet the criteria established by the American Council for Construction Education (ACCE) and program accreditation is being pursued.</p>

Not Applicable		Not Applicable	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
English (General Education): EN 1103 English Comp I or EN 1163 Accelerated Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6	English (General Education): EN 1103 English Comp I or EN 1163 Accelerated Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6
Fine Arts (General Education): ARC 1013 Architectural Appreciation	3	Fine Arts (General Education): ARC 1013 Architectural Appreciation	3
Natural Sciences (2 labs required from Gen Ed): PH 1113 General Physics I PH 1123 General Physics II	6	Natural Sciences (2 labs required from Gen Ed): PH 1113 General Physics I PH 1123 General Physics II	6
Extra Science (if appropriate) BCS 2713 Passive Building Systems	3	Extra Science (if appropriate) BCS 2713 Passive Building Systems	3
Math (General Education): MA 1613 Calc for Bus & Life Science ST 2113 Intro to Statistics	6	Math (General Education): MA 1613 Calc for Bus & Life Science ST 2113 Intro to Statistics	6
Humanities (General Education): Any Gen Ed course	6	Humanities (General Education): Any Gen Ed course	6
Social/Behavioral Sciences (Gen Ed): EC 2113 Principles of Macro EC 2123 Principles of Micro	6	Social/Behavioral Sciences (Gen Ed): EC 2113 Principles of Macro EC 2123 Principles of Micro	6
Major Core Courses CE 2213 Surveying <i>ID 3363 3/D CAD/Modeling</i> BCS 3723 Active Building Systems BCS 3904 Structures I BCS 3914 Structures II BCS 1116 Building Construction Studio A BCS 1126 Building Construction Studio B BCS 2116 Building Construction Studio 1 BCS 2226 Building Construction Studio 2 BCS 3116 Building Construction Studio 3 BCS 3126 Building Construction Studio 4 BCS 4116 Building Construction Studio 5 BCS 4126 Building Construction Studio 6 BCS 3213 Electrical Systems BCS 3323 High Performance Construction BCS 4222 Professional Comm & Practice ACC 2013 Principles of Financial Acct ACC 2023 Principles of Managerial Acct BL 2413 Legal Environment of Business MGT 3113 Principles of Management Elective (3) Oral Communication Requirement Satisfied by successful completion of the BCS studio courses Writing Requirement Satisfied by successful completion of the BCS studio courses Computer Literacy Requirement Satisfied by successful completion of the BCS studio courses	88	Major Core Courses CE 2213 Surveying <b>BCS 2313 Virtual Design and Construction</b> BCS 3723 Active Building Systems BCS 3904 Structures I BCS 3914 Structures II BCS 1116 Building Construction Studio A BCS 1126 Building Construction Studio B BCS 2116 Building Construction Studio 1 <b>or BCS 3006 Construction Internship/Co-Op*</b> BCS 2226 Building Construction Studio 2 BCS 3116 Building Construction Studio 3 BCS 3126 Building Construction Studio 4 <b>or BCS 3006 Construction Internship/Co-Op*</b> BCS 4116 Building Construction Studio 5 BCS 4126 Building Construction Studio 6 BCS 3213 Electrical Systems BCS 3323 High Performance Construction BCS 4222 Professional Comm & Practice ACC 2013 Principles of Financial Acct ACC 2023 Principles of Managerial Acct BL 2413 Legal Environment of Business MGT 3113 Principles of Management Elective (3) Oral Communication Requirement Satisfied by successful completion of the BCS studio courses	88

		Writing Requirement Satisfied by successful completion of the BCS studio courses Computer Literacy Requirement Satisfied by successful completion of the BCS studio courses	
Concentration Courses Not Applicable		Concentration Courses Not Applicable	
Total Hours	124	Total Hours	124
		<b><sup>1</sup>*BCS 3006 can only be taken once.</b>	

### 3. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

1. The ID-3363 3D CAD course does not provide the depth, nor the breadth of knowledge needed for building information modeling and related technologies. The newly proposed BCS-2313 Virtual Design and Construction course will address the curriculum need to become an updated and pioneering program in construction and will replace the ID-3363 course.
2. The BCS-3006 Construction Internship/Co-op course is an existing course in the BCS curriculum. It is currently a letter graded course, but the various work experiences required for this course are difficult to standardize into a letter grade for all experiences, so a pass/fail standard is needed.
3. The learning outcomes of effective collaboration, working in groups, and understanding relationship values of industry partners, in BCS-2116 and BCS-3126, Building Construction Studios 1 and 4, respectively, are the same as found in cooperative educational experiences. The existing Co-Op course BCS-3006 will be used to substitute for Studios 1 or 4 to allow a student to choose which type of experience better suits his/her learning style.

### 4. SUPPORT

Please see the attached letter of support from the Building Construction Science Curriculum Committee.

### 5. PROPOSED 4-LETTER ABBREVIATION

The modification will not require a new abbreviation for identification in official university reports.

### 6. EFFECTIVE DATE

Fall 2020





**MISSISSIPPI STATE**  
UNIVERSITY™

**COLLEGE OF ARCHITECTURE, ART AND DESIGN**  
Building Construction Science Program

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

P. 662.325.8305

F. 662.325.1297

[caad.msstate.edu](http://caad.msstate.edu)





13 February 2020

To: University Committee on Courses and Curricula

Re: Approval for modification to the Building Construction Science Curriculum

The Building Construction Science Curriculum Committee has voted to approve the following modifications to the Building Construction Science B.Sc. Degree:

1. Delete ID 3363 3/D CAD/Modeling from the Building Construction Science curriculum.
2. Add BCS 2313 Virtual Design and Construction to the Building Construction Science curriculum.
3. Change BCS 3006 Construction Internship/Co-Op to a Pass/Fail grading scheme.
4. Make BCS 3006 Construction Internship/Co-Op an optional substitute for BCS 2116 Building Construction Studio 1 or BCS 3126 Building Construction Studio 4.

Name/Title	Committee Role	Signature
Michele Herrmann, Associate Professor	Voting Member	
Saeed Rokoei, Assistant Professor	Voting Member	
Alireza Shojaei, Assistant Professor	Committee Chair, Voting Member	
Lee Carson, Assistant Clinical Professor	Voting Member	

Please feel free to contact me with any questions or concerns.

Sincerely,



Alireza Shojaei  
Assistant Professor  
Building Construction Science Curriculum Committee Chair

**Building Construction Science (BCS) Program  
College of Architecture, Art, and Design  
Mississippi State University**

**Syllabus**

**1. Course Number, Title, and Prerequisite(s):**

**BCS 2313 Virtual Design and Construction**

Class Days/Times: Monday and Wednesday 11:00 AM-12:15 PM, Howell Building,

Credit Hours: 3 credit hours

Prerequisites: BCS 1116 Building Construction Studio A

**2. Faculty Contact Information:**

Instructor: Alireza Shojaei, Ph.D.

Office: 132-C Howell Hall

Phone: 662-325-5983

E-mail: shojaei@caad.msstate.edu

Office Hours: by appointment

**3. Course Information:**

- Required Text: *Design Integration Using Autodesk Revit 2020*, Daniel John Stine, SDC Publications, ISBN: 978-1630572501
- Recommended Text: *BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors, 3<sup>rd</sup> Edition*, Charles Eastman, Paul Teicholz, Rafael Sacks, Ghang Lee. John Wiley & Sons Publication, 2018, 3<sup>rd</sup> Edition, ISBN: 978-1-119-28753-7
- Additional Resources:
  - Computer: Hardware and software per BCS requirements, **Mouse** with a scroll wheel is strongly encouraged
  - Software: Autodesk Revit 2020, Assemble Systems, Microsoft Project, Navisworks Manage, and others

**4. Course Description:**

(Prerequisites: BCS 1116) Three hours lecture. Use of digital tools to create virtual models of buildings for improving the construction process throughout the project's lifespan

**5. Course Overview:**

This course provides an overview of VDC terminology and practices while introducing important concepts necessary to understand how VDC is changing the construction process. This course also provides an introduction to VDC tools (e.g., Revit, Navisworks) and associated technology/concepts (e.g., mixed reality/virtual reality, 3D printing, 4D/nD modeling, laser scanning). Throughout the course, tools are introduced as they relate to the functions they perform, as well as particular phases of a project where they have the strongest capabilities.

**6. Course Objectives:**

Upon completion of this class, students will be able to:

1. Understand the purpose, advantages, and disadvantages of current and emerging construction-related electronic graphic communication technologies such as Building Information Modeling (BIM). (ACCE Student Learning Outcomes 5, 7, 9, 10,

## BCS 2313 Virtual Design and Construction

### 5. Course Objectives (continued):

- 12, 15, & 16 | BCS Program Goals B, C, & D)
2. Evaluate different types of construction-related graphic electronic communication technologies including Building Information Modeling (BIM) CAD skills to understand their purpose, strengths, and weaknesses to achieve desired results. (ACCE Student Learning Outcomes 9, 10, & 12| BCS Program Goals B, C, & D)
  3. Apply construction-related electronic graphic communication technologies associated with modeling, scheduling, estimating, project coordination, and project management to manage the construction process as a member of a multi-disciplinary team. (ACCE Student Learning Outcomes 9, 10, 12, 15, & 16| BCS Program Goals B & C)
  4. Analyze construction documents for planning and management of construction processes. (ACCE Student Learning Outcome 7 | BCS Program Goal B)

### 6. Course Content:

Tentative Class Schedule 2313 Virtual Design and Construction, Section 01, Fall 2020 – Alireza Shojaei, Ph.D.						
Week	Class #	Day	Date	Topics/Activity	Assessment Given	Contact hours
1	1	Wed	21-Aug	Introduction/Syllabus		1.5
2	2	Mon	26-Aug	Lessons 1 & 2: Getting Started/Revit Install	Assignment 1	1.5
	3	Wed	28-Aug	Lesson 3: Revit Basics	Assignments 2 & 3	1.5
3	Holiday	Mon	2-Sep	No Class – Labor Day		
	4	Wed	4-Sep	Workday		1.5
4	5	Mon	9-Sep	Lesson 4: Floor Plans	Assignment 4	1.5
	6	Wed	11-Sep	Lesson 5: Roofs, Floors, Ceilings	Assignment 5	1.5
5	7	Mon	16-Sep			1.5
	8	Wed	18-Sep	Lesson 6: Structures	Assignment 6	1.5
6	9	Mon	23-Sep			1.5
	10	Wed	25-Sep	Lesson 7: Mechanical Systems	Assignment 7	1.5
7	11	Mon	30-Sep			1.5
	12	Wed	2-Oct	Lesson 8: Electrical Systems	Assignment 8	1.5
8	13	Mon	7-Oct			1.5
	14	Wed	9-Oct	Lesson 9: Elevations, Sections, Details		1.5
9	15	Mon	14-Oct	Lesson 10: Schedules		1.5
	16	Wed	16-Oct	Lesson 11: Construction Documents		1.5
10	17	Mon	21-Oct	Midterm Exam (Midterm Project Due)		1.5
	18	Wed	23-Oct	Lesson 12: Navisworks (Clash Detection)	Assignment 9	1.5
11	19	Mon	28-Oct			1.5
	20	Wed	30-Oct	Lesson 13: Navisworks (5D Scheduling)	Assignment 10	1.5
12	21	Mon	4-Nov			1.5
	22	Wed	6-Nov	Lesson 14: Worksharing - BIM		1.5
13	23	Mon	11-Nov	Introduction to Final Project	Final Project	1.5
	24	Wed	13-Nov	Workday		1.5
14	25	Mon	18-Nov	Workday		1.5
	26	Wed	20-Nov	Workday		1.5
15	27	Mon	25-Nov	Workday		1.5
	28	Wed	27-Nov	Workday		1.5
16	29	Mon	2-Dec	Workday		1.5
	30	Wed	4-Dec	Workday		1.5

## BCS 2313 Virtual Design and Construction

**Total Contact hours: 45**

### **7. Grading**

Evaluation	Points
Assignments (10 total)	500
Quizzes (5 total)	75
Classroom Participation and Preparedness	25
Midterm Exam	150
Final Project	250
Total	1,000

All deadlines listed in assignments are firm deadlines. **NO LATE WORK WILL BE ACCEPTED. NO EXCEPTIONS.** For example, if a project is due at 1:00 p.m., it must be submitted in ALL required formats at or before 1:00 p.m. It will not be accepted if it is submitted at 1:01 p.m. Projects that are not submitted on time will receive a grade of zero. **All assignments and project have to be submitted exclusively through CANVAS. Email and hard copy will not be accepted.**

Grading will follow the MSU guidelines, as described below:

Weighted Average of Projects	Letter Grade	MSU Term	Numeric Equivalent	BCS definition
90.0 - 100	A	Excellent	4.0	Advances BCS standards Challenges conventional construction knowledge, techniques, management, and/or practice Provokes questions, brings new insights to problem
80.0 – 89.9	B	Good	3.0	Above BCS standard Advances conventional construction knowledge, techniques, management, and/or practice Beyond competent; solves the problem with a high degree of skill
70.0 – 79.9	C	Satisfactory	2.0	Acceptable BCS standard Within conventional construction knowledge, techniques, management, and/or practice Competent solution to the problem
60.0 – 69.9	D	Poor	1.0	Below BCS standards Misapplies or ignores conventional construction knowledge, techniques, management, and/or practice Minimally competent—solves only some parts of the problem
< 60.0	F	Failure	0	Unacceptable by BCS standards Demonstrates little or no awareness or regard for conventional construction knowledge, techniques, management, and/or practice Not competent
< 60.0	F <sub>0</sub>	Failure	0	No work

### **8. University and Course Policy Statements:**

#### **University Honor Code Policy**

Mississippi State University has an approved Honor Code that applies to all students:

"As a Mississippi State University student I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those who do."

## BCS 2313 Virtual Design and Construction

Upon accepting admission to Mississippi State University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Student Honor Code. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the MSU community from the requirements or the processes of the Student Honor Code. For additional information please visit: <http://www.honorcode.msstate.edu>.

### Conduct in the classroom

University policy prohibits the use of tobacco and tobacco products (including but not limited to chewing tobacco and e-cigarettes). See <http://www.policies.msstate.edu/policypdfs/91301.pdf> for additional information. Also, no food or drink is allowed in the classroom.

All students are expected to behave in a professional manner at all times. Unprofessional behavior includes but is not limited to: personal cell phone use, informal meetings with students not enrolled in the class, use of computers for non-studio work including listening to music, surfing the internet, watching of videos, etc..

### Title IX

MSU is committed to complying with Title IX, a federal law that prohibits discrimination, including violence and harassment, based on sex. This means that MSU's educational programs and activities must be free from sex discrimination, sexual harassment, and other forms of sexual misconduct. If you or someone you know has experienced sex discrimination, sexual violence and/or harassment by any member of the university community, you are encouraged to report the conduct to MSU's Director of Title IX/EEO Programs at 325-8124 or by e-mail to [titleix@msstate.edu](mailto:titleix@msstate.edu). Additional resources are available at <https://www.oci.msstate.edu/focus-areas/title-ix-sexual-misconduct/>.

As the instructor for this course, I have a mandatory duty to report to the university any information I receive about possible sexual misconduct. This includes information shared in class discussions or assignments, as well as information shared in conversations outside class. The purpose of reporting is to allow MSU to take steps to ensure a safe learning environment for all. The university also has confidential resources available, who can provide assistance to those who have experienced sexual misconduct without triggering a mandatory reporting duty. More information about confidential resources is available at <https://www.oci.msstate.edu/focus-areas/title-ix-sexual-misconduct/>.

### Attendance

Attendance will be recorded in accordance with the BCS Student Handbook and the MSU Attendance policy ([www.msstate.edu/dept/audit/1209.html](http://www.msstate.edu/dept/audit/1209.html)). All students must sign in at the beginning of studio. The instructor has the discretion to lower grades in the event of excessive unexcused absences—one full letter grade will be taken off midterm and final grades for each third unexcused absence. Illnesses and emergencies will be excused only if proper written documentation is provided. Arriving late and leaving early count as one-half of an unexcused absence.

Examples of excused absences include but are not limited to: observance of a religious holiday, death of an immediate family member, properly documented medical appointment.

Examples of unexcused absences include but are not limited to: fraternity and/or sorority events, weddings, birthdays, employment, tailgating, hunting/fishing, wanting to start your weekend early.

## **8. University and Course Policy Statements (continued):**

### **Attendance (continued)**

With the exception of emergency events beyond individual control, students are encouraged to be proactive and notify the professor of absences and provide appropriate documentation in advance or as soon as possible. Failure to notify the professor in a timely manner may affect consideration and approval of excused absences.

### **Communication**

Students are expected to communicate, both in writing and speaking, in an appropriate professional manner. Email communication should be professionally composed. Students must use their MSU email address for communication with professors.

### **File Naming Convention**

Electronic file names must include your last name, first name, and assignment number (i.e., SmithJoeA1). If you use an Excel spreadsheet, allocate each tab for One question and name the tab accordingly.

### **Student Services – Counseling**

BCS is a challenging discipline that requires extensive effort and thought, although with amazing rewards and gratifications. Some people may require assistance with those pressures. Avail yourself of the MSU counseling center, which is staffed with professional counselors who are trained to cope with the basic and personal issues of contemporary college students, such as:

- Relationship Concerns (roommates, romantic partners, etc.)
- Depression and/or Anxiety
- Academic Concerns (study skills, time management, test anxiety)
- Family Issues

These services are free of charge.

### **Student Services – Disability Support**

“Disability Support Services seeks to provide educational access and opportunity through support, resources, advocacy, collaboration, and academic accommodations for students with disabilities (as defined by the Americans with Disabilities Act and the Rehabilitation Act of 1973) who are accepted to the University.” (<http://www.sss.msstate.edu/>)

### **Student Services – LSSP**

The Learning Skills Support Program is usually introduced to students who have been suspended or dismissed from the University. However, if you believe you could benefit from taking a course where you would learn how to be a better student—not only improve study habits, but also time management—then by all means avail yourself of these classes.

You do not receive credit toward graduation for taking these courses, but note: construction firms use GPAs as a factor in hiring decisions. Some do not hire students whose GPA is below 3.0.

### **Campus Resources Other Student Services**

Students are encouraged to make full use of University resources to ensure their success in all courses and activities:

**8. University and Course Policy Statements (continued):**

**University Safety Statement**

Mississippi State University values the safety of all campus community members. Students are encouraged to register for Maroon Alert texts and to download the Everbridge App. Visit the Personal Information section in Banner on your mystate portal to register. To report suspicious activity or to request a courtesy escort via Safe Walk, call University Police at 662-325-2121, or in case of emergency, call 911. For more information regarding safety and to view available training resources, including helpful videos, visit [ready.msstate.edu](http://ready.msstate.edu).

**Campus Resources Other Student Services (continued)**

**The Learning Center** - The Learning Center has a wide array of resources to support student success that include tutoring, workshops, and seminars on a wide range of courses and subjects.

662-325-2957                      [tlc@colled.msstate.edu](mailto:tlc@colled.msstate.edu)                      <http://www.tlc.msstate.edu/>

**The Writing Center** – Writing support is available online, in person, and through workshops.

662-325-1045                      [writingcenter@msstate.edu](mailto:writingcenter@msstate.edu)                      <http://www.writingcenter.msstate.edu/>

**Student Counseling Center** - The Student Counseling Center offers workshops, seminars, and counseling on a variety of topics from communication skills to stress management.

662-325-0297

**Office of Financial Aid** - Financial advisors in the Office of Financial Aid are available to review budgets and help identify resources for tuition and related costs.

662-325-2450                      [financialaid@msstate.edu](mailto:financialaid@msstate.edu)                      <http://www.sfa.msstate.edu/u/>

**Career Center** – The Career Center is an excellent resource for jobs as well as career planning.

662-325-3344                      [rcolvin@career.msstate.edu](mailto:rcolvin@career.msstate.edu)                      <http://www.career.msstate.edu/>

**Dean of Students** – The Dean of Students is an additional resource for general issues.

662-325-3611                      [bredus@saffairs.msstate.edu](mailto:bredus@saffairs.msstate.edu)                      <http://www.students.msstate.edu/u>

**Police Department** – The MSU Police Department is available 24 hours a day, year-round.

662-325-2121 phone or                      <http://police.msstate.edu/>  
text

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:** Communication

**Contact Person:** Kelli Anthony  
**Mail Stop:** 9574  
**E-mail:** kanthony@comm.msstate.edu

**Nature of Change:** Program Modification  
**Date Initiated:** 11/2019  
**Effective Date:** Fall 2021

**Current Degree Program Name:** Bachelor of Arts  
**Major:** Communication  
**Concentration:** Public Relations

**Summary of Proposed Changes:**

The Department of Communication desires to delete a choice of courses (CO 2333 TV Production, CO 3403 Photographic Communication, or CO 3713) from its public relations concentration and replace it with a newly proposed course (CO 3873 PR Multimedia).



**Approved:**

**Date:**

Terry Dicks  
Department Head

2/13/2020

\_\_\_\_\_  
Chair, College or School Curriculum Committee

\_\_\_\_\_  
Dean of College or School

\_\_\_\_\_  
Chair, University Committee on Courses and Curricula

\_\_\_\_\_  
Chair, Graduate Council(if applicable)

\_\_\_\_\_  
Chair, Deans Council

## DEGREE MODIFICATION OUTLINE FORM

1. **Catalog Description:** See chart below.
2. **Curriculum Outline:** See chart below.

CURRENT Degree Description	PROPOSED Degree Description
Degree: Bachelor of Arts Major: Communication Concentration: Public Relations	Degree: Bachelor of Arts Major: Communication Concentration: Public Relations
<p>The Bachelor of Arts degree in Communication is offered. The department offers concentrations in Broadcast and Digital Journalism, Communication Studies, Print and Digital Journalism, Public Relations, and Theatre. Students may choose more than one concentration. Minors are available in all areas. In addition, the department offers numerous courses online throughout the year. Contact specific advisors for additional information.</p> <p>The total major consists of 48-49 semester hours in Communication courses: 12 hours of the departmental core; and 36-37 hours of additional specified work in the concentration area(s). In addition, students complete the Arts &amp; Sciences core curriculum and electives for a total of 124 semester hours leading to the B. A. Degree.</p> <ol style="list-style-type: none"> <li>1. A minimum grade of C in all Communication courses (or approved substitutes) is required. Students earning a grade lower than C in a Communication course must retake that course.</li> <li>2. Incoming freshmen must earn a score of 20 or higher on the ACT Enhanced English sub-scale before entering the major. Students who believe that the ACT does not accurately assess their language ability and who can present evidence of above average language skills (excellent English grades, extensive writing samples, etc.) will be given the opportunity to satisfactorily complete a screening test and gain admission to the major.</li> <li>3. No transfer student, either from another institution or within the university, will be accepted who has not earned a minimum 2.0 GPA on all college work attempted prior to entering the major.</li> </ol> <p>Prospective students are reminded that Communication is a language intensive discipline. Students with only minimal oral and written language competency should expect to be at a competitive disadvantage in classes as well as in careers after graduation. Transfer students with less than a C in English composition courses may have difficulty with the advanced writing courses required in this major.</p>	<p>The Bachelor of Arts degree in Communication is offered. The department offers concentrations in Broadcast and Digital Journalism, Communication Studies, Print and Digital Journalism, Public Relations, and Theatre. Students may choose more than one concentration. Minors are available in all areas. In addition, the department offers numerous courses online throughout the year. Contact specific advisors for additional information.</p> <p>The total major consists of 48-49 semester hours in Communication courses: 12 hours of the departmental core; and 36-37 hours of additional specified work in the concentration area(s). In addition, students complete the Arts &amp; Sciences core curriculum and electives for a total of 124 semester hours leading to the B. A. Degree.</p> <ol style="list-style-type: none"> <li>1. A minimum grade of C in all Communication courses (or approved substitutes) is required. Students earning a grade lower than C in a Communication course must retake that course.</li> <li>2. Incoming freshmen must earn a score of 20 or higher on the ACT Enhanced English sub-scale before entering the major. Students who believe that the ACT does not accurately assess their language ability and who can present evidence of above average language skills (excellent English grades, extensive writing samples, etc.) will be given the opportunity to satisfactorily complete a screening test and gain admission to the major.</li> <li>3. No transfer student, either from another institution or within the university, will be accepted who has not earned a minimum 2.0 GPA on all college work attempted prior to entering the major.</li> </ol> <p>Prospective students are reminded that Communication is a language intensive discipline. Students with only minimal oral and written language competency should expect to be at a competitive disadvantage in classes as well as in careers after graduation. Transfer students with less than a C in English composition courses may have difficulty with the advanced writing courses required in this major.</p>
<p>The Public Relations concentration prepares students for a variety of professional positions. In addition to work with public relations and advertising firms, graduates are employed by colleges and schools, newspapers and broadcasting organizations, banks, churches, hospitals, insurance companies, businesses</p>	<p>The Public Relations concentration prepares students for a variety of professional positions. In addition to work with public relations and advertising firms, graduates are employed by colleges and schools, newspapers and broadcasting organizations, banks, churches, hospitals, insurance companies, businesses and corporations,</p>

and corporations, charitable and political groups, and state and federal governments.		charitable and political groups, and state and federal governments.	
<b>CURRENT CURRICULUM OUTLINE</b>	<b>Required Hours</b>	<b>PROPOSED CURRICULUM OUTLINE</b>	<b>Required Hours</b>
English: EN 1103 English Comp I or EN 1163 Accelerated Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6	English (Ex: EN 1103 English Comp I): EN 1103 English Comp I or EN 1163 Accelerated Comp I EN 1113 English Comp II or EN 1173 Accelerated Comp II	6
Foreign Language Third semester of a foreign language	3	Foreign Language Third semester of a foreign language	3
Fine Arts: CO 1503 Intro to Theatre+	3	Fine Arts (General Education): CO 1503 Intro to Theatre+	3
Natural Sciences (2 labs required from Gen Ed): 3-4 hours Physical Science w/ Lab* 3-4 hours Biological Science w/ Lab** 3-4 hours Natural Science Elective***	9	Natural Sciences (2 labs required from Gen Ed): 3-4 hours Physical Science w/ Lab* 3-4 hours Biological Science w/ Lab** 3-4 hours Natural Science Elective***	9
Math: MA 1313 3 hours above College Algebra	6	Math (General Education): MA 1313 3 hours above College Algebra	6
Humanities: 3 hours History 3 hours English 3 hours Philosophy 9 hours Humanities electives	18	Humanities (General Education): 3 hours History 3 hours English 3 hours Philosophy 9 hours Humanities electives	18
Social Sciences:**** PSY 1013 GR 1123 SO 1003 CO 1403 Intro to Mass Media 6 hours social/behavioral science electives	18	Social/Behavioral Sciences (Gen Ed): PSY 1013 GR 1123 SO 1003 CO 1403 Intro to Mass Media 6 hours social/behavioral science electives	18
Major Core Courses CO 1223 Intro to Communication Theory CO 1003 Public Speaking++	6	Major Core Courses CO 1223 Intro to Communication Theory CO 1003 Public Speaking++	6
Concentration Courses CO 2413 Intro to Newswriting CO 3803 Principles of Public Relations CO 3813 PR Case Problems CO 3853 PR Writing CO 3863 PR Production CO 4253 Elements of Persuasion CO 4803 Research in PR & Advertising CO 4813 PR in Organizations <i>CO 2333, CO 3403, or CO 3713 TV Production, Photographic CO, or Digital Communication</i> CO 4313 or 4323 Mass Media Law or Mass Media Society 6 hours Upper Division CO courses	36	Concentration Courses CO 2413 Intro to Newswriting CO 3803 Principles of Public Relations CO 3813 PR Case Problems CO 3853 PR Writing CO 3863 PR Production CO 4253 Elements of Persuasion CO 4803 Research in PR & Advertising CO 4813 PR in Organizations <b>CO 3873 PR Multimedia</b> CO 4313 or 4323 Mass Media Law or Mass Media Society 6 hours Upper Division CO courses	36
General Electives***	19	General Electives***	19
Total Hours	124	Total Hours	124
Must make a grade of C or better in all Communication courses. Must complete		Must make a grade of C or better in all Communication courses. Must complete 31	

31 hours of upper division A&S hours.  *CH, GG, GR, or PH; see A&S approved courses. **BIO; see A&S approved courses. ***Consult Advisor. ****No more than two courses per discipline (no more than one CO and EC) and must include 4 disciplines over the 18 hours. +Other A&S approved fine arts courses accepted if students transfer into major with completion of course. ++CO 1013, Introduction to Communication, accepted if course was completed prior to transferring into major.		hours of upper division A&S hours.  *CH, GG, GR, or PH; see A&S approved courses. **BIO; see A&S approved courses. ***Consult Advisor. ****No more than two courses per discipline (no more than one CO and EC) and must include 4 disciplines over the 18 hours. +Other A&S approved fine arts courses accepted if students transfer into major with completion of course. ++CO 1013, Introduction to Communication, accepted if course was completed prior to transferring into major.	
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### 3. Justification and Student Learning Outcomes

As technology and media outlets and platforms have changed and evolved, it is the desire of the public relations faculty members to continuously prepare our students for the ever-evolving demands of the public relations industry. We want our students to graduate with knowledge and understanding of current industry trends they will face in the workforce after graduation.

Most public relations jobs require flexibility and a skill set suited to function across multimedia platforms. An integrated knowledge of various multimedia and new media platforms are a must for graduating students. This proposed change in our curriculum will allow our students to delve deeper into the strategies and critical thinking skills it takes to use multi-media platforms in a strategic manner for public relations clients.

#### *Questions:*

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

Yes. Revising the public relations concentration will better prepare students for employment opportunities in today's multimedia market. The current curriculum does not focus on digital platforms and creating digital content from a public relations perspective, and this is a necessary step to ensure our students are fully prepared for an entry-level public relations job and beyond.
- Will this program change result in duplication in the System? If so, please describe.

This program change does not result in duplication in the System.
- Will this program change/advance student diversity within the discipline? If so, please describe.

Not directly.
- Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? If so, please describe.

Yes. The proposed program changes will provide undergraduates with more relevant and intensive training that better reflects the current public relations marketplace. Such training will make graduates better suited for the job market by equipping them with skills today and tomorrow's public relations professionals must have, thus increasing the potential for placement of graduates across the state, region and nation. The department

has long-established relationships with public relations professionals and will be better able to capitalize on these relationships – especially in terms of job placement -- by sending more highly trained graduates into the workforce.

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

Yes. Better, more intensive training for students leads to graduates better equipped to contribute to the public relations marketplace and thus more likely to advance in their field. Such advancement means better opportunities with more attractive publications, organizations, and destinations, and higher potential salaries earlier in career tracks.

**4. Support**

Please see attached letter of support.

**5. Proposed 4-letter abbreviation**

No change.

**6. Effective Date**

Fall 2021

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**College:** Arts & Sciences  
**Department:** Communication

**Contact Person:** Kelli Anthony  
**Mail Stop:** 9574  
**E-mail:** kanthony@comm.msstate.edu

**Nature of Change:** Modification: Add Public Relations Concentration to Campus 5  
**Date Initiated:** 11/2019  
**Effective Date:** Fall 2021

**Current Degree Program Name:** Bachelor of Arts  
**Major:** Communication  
**Concentration:** Public Relations

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

**Summary of Proposed Changes:**

The Department of Communication desires to offer its public relations concentration online through Campus 5.

DEGREE PROGRAMS

Approved:

Date:

Terry Hicks  
Department Head

2/13/2020

\_\_\_\_\_  
Chair, College or School Curriculum Committee

\_\_\_\_\_  
Dean of College or School

\_\_\_\_\_  
Chair, University Committee on Courses and Curricula

\_\_\_\_\_  
Chair, Graduate Council(if applicable)

\_\_\_\_\_  
Chair, Deans Council

## DEGREE PROPOSAL FOR DISTANCE LEARNING

### 1. CATALOG DESCRIPTION

The Bachelor of Arts degree in Communication is offered. The department offers concentrations in Broadcast and Digital Journalism, Communication Studies, Print and Digital Journalism, Public Relations, and Theatre. Students may choose more than one concentration. Minors are available in all areas. In addition, the department offers numerous courses online throughout the year. Contact specific advisors for additional information.

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The Public Relations concentration prepares students for a variety of professional positions. In addition to work with public relations and advertising firms, graduates are employed by colleges and schools, newspapers and broadcasting organizations, banks, churches, hospitals, insurance companies, businesses and corporations, charitable and political groups, and state and federal governments.

#### Tuition Information:

According to the MSU Controller website, Spring 2020 Distance Education fees are estimated at \$391.75 per credit hour (tuition + instructional support fee per credit hour) regardless of the number of hours taken. With this estimate, distance education students will pay approximately \$5876.25 in tuition per term. Non-resident students are not charged a non-resident fee for enrollment in Online Education courses. In contrast, the Starkville Campus undergraduate tuition for Spring 2020 is estimated at \$4455 total (including fees) per term for resident students and approximately \$11,975 per term for non-resident students.

### 2. CURRICULUM OUTLINE

**\*All courses for the degree, both general education and all required communication and public relations courses, can be completed online through MSU's distance education offerings.**

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Foreign Language Third semester of a foreign language	3	Foreign Language Third semester of a foreign language	3
Fine Arts (General Education): CO 1503 Intro to Theatre+	3	Fine Arts (General Education): CO 1503 Intro to Theatre+	3
Natural Sciences (2 labs required from Gen Ed): 3-4 hours Physical Science w/ Lab* 3-4 hours Biological Science w/ Lab** 3-4 hours Natural Science Elective***	9	Natural Sciences (2 labs required from Gen Ed): 3-4 hours Physical Science w/ Lab* 3-4 hours Biological Science w/ Lab** 3-4 hours Natural Science Elective***	9
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General Electives***	19	General Electives***	19
Total Hours	124	Total Hours	124
<p>Must make a grade of C or better in all Communication courses. Must complete 31 hours of upper division A&amp;S hours.</p> <p>*CH, GG, GR, or PH; see A&amp;S approved courses.  **BIO; see A&amp;S approved courses.  ***Consult Advisor.  ****No more than two courses per discipline (no more than one CO and EC) and must include 4 disciplines over the 18 hours.</p> <p>+Other A&amp;S approved fine arts courses accepted if students transfer into major with completion of course.</p>		<p>Must make a grade of C or better in all Communication courses. Must complete 31 hours of upper division A&amp;S hours.</p> <p>*CH, GG, GR, or PH; see A&amp;S approved courses.  **BIO; see A&amp;S approved courses.  ***Consult Advisor.  ****No more than two courses per discipline (no more than one CO and EC) and must include 4 disciplines over the 18 hours.</p> <p>+Other A&amp;S approved fine arts courses accepted if students transfer into major with completion of course. <b>CO 1503, Introduction to Theatre, is a departmental requirement for the fine arts requirement. Campus 1 students who have completed an A&amp;S approved fine arts course prior to entering the major and students who transfer to MSU from another institution and have completed an A&amp;S approved fine arts course prior to entering the major are allowed to substitute</b></p>	

<p>++CO 1013, Introduction to Communication, accepted if course was completed prior to transferring into major.</p>		<p>those fine arts courses for CO 1503. CO 1503 is currently not offered online; however, since this substitution is already made for other students in our department, public relations faculty members have agreed that distance education students will be allowed to substitute any approved A&amp;S fine arts course taught online for CO 1503 in order to meet this requirement online (just as we do for some on-campus students).</p> <p>++CO 1013, Introduction to Communication, accepted if course was completed prior to transferring into major. <b>CO 1003, Public Speaking, is a departmental requirement for the oral communication requirement. Campus 1 students who have completed CO 1013, Introduction to Communication, prior to entering the major and students who transfer to MSU from another institution and have completed an approved equivalent course prior to entering the major are allowed to substitute CO 1013 for CO 1003. CO 1003 is currently not offered online; however, since this substitution is already made for other students in our department, public relations faculty members have agreed that distance education students will be allowed to substitute CO 1013 for CO 1003 in order to meet this requirement online (just as we do for some on-campus students).</b></p>	
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### 3. JUSTIFICATION FOR DISTANCE LEARNING OFFERING

According to a study completed by Best Colleges, topping the list of reasons for the third year in a row, “students choose to learn online rather than on campus for the convenience and flexibility offered by online programs. More than half (59%) of students surveyed have children and half reported that they are employed. Students shared additional reasons for choosing an online format, which included a range of transportation issues, challenges related to having a disability, and a

desire to attend a course or program that was only offered online”(https://www.bestcolleges.com). Likewise, according to the Complete2Compete website, a website aimed at Mississippians close to completing a degree, “Mississippi now has jobs looking for people, and many require a degree” (https://www.msc2c.org). While many students are afforded the opportunity to attend college and complete a face-to-face degree, we also have many people in Mississippi, for various reasons, who have not had that opportunity. For this reason, the public relations faculty believe that offering our concentration online will further provide resources for our targeted publics (see below) to complete a degree that will position them for better job opportunities.

When browsing job opportunities, a vast majority of them have a requirement of high level oral and written communication skills as well a desire for social media and multi-platform communication skills. The MSU public relations faculty believe that offering our concentration online will provide not only Mississippians but also students outside of our state the opportunity to gain the communication skills needed to better prepare themselves for the workplace.

Technology has changed radically over the last 10 years, and along with that change we have seen the drastic growth in distance education. While the face-to-face degree still offers a traditional means of completing a degree, as a university we must expand our offerings to meet the needs of our students. We believe offering the public relations concentration online meets one of those needs. Offering this concentration online will allow students’ learning to mimic the working “digital world” that public relations students will face as they go out into the field. After completing a public relations concentration online, students will offer the knowledge of learning remotely as well as working remotely that will give them an advantage in the ever-competitive job market. These students’ experiences with digital deadlines and digital feedback and critiques will edge the competition in completing many tasks demanded in the workforce.

Finally, it is important to note that no other institution in Mississippi is offering an online degree in communication and/or public relations. We believe that we have the faculty and the experience in distance education to serve potential students and potential employers alike in the state of Mississippi, as well as in our region, in communication and public relations.

#### METHOD OF DELIVERY & STUDENT PARTICIPATION/INTERACTION:

It is the intent of the public relations faculty to teach the online concentration at the highest level, creating a two-way communication model that involves teacher-student interaction following best practices in online teaching. As the best practices evolve and change, we will plan to adapt to the changes to stay on trend with best practices. As an overview of what will be expected for the public relations courses, clear expectations will be set forth weekly for students to fully understand what needs to be completed and what is due for that week. Along with the written expectations in Canvas, short videos will be uploaded by instructors walking students through what is expected for that week. Lectures will be video-taped and uploaded for students to watch. At least one further short video will be uploaded each week highlighting the important topics from the readings and the lectures—somewhat of a “this is what you need to focus on” video to keep students on track. Online office hours will be held each week for students and instructors to interact. Students will have many opportunities to interact in public relations courses. A majority of our courses require group work, so the students will interact through group chats, discussion boards, and email. As a way to get students talking to one another and discussing material, a discussion board will be set up in each class for student discussion—they can ask questions, discuss topics related to the course, and create an overall discussion space for students to interact as needed throughout the course. The instructor will monitor the chat space to help answer questions and to maintain behavior integrity. These methods of delivery and student participation/interaction ideas are a sample of what will take place in our courses. Each instructor will have the ability to adapt his/her course as

needed. However, it is fully understood that raising the bar on material delivery and student interaction is high priority and will be taken very seriously by our instructors.

#### TARGET AUDIENCE

##### Primary Audiences:

1. Regional traditional students who need the option of distance education to complete their degree in public relations for various reasons, such as taking care of a sick parent, needing to work full-time and go to school part time outside of Starkville, etc.
2. Non-traditional students who already work in the public relations field or a related field and want to complete a degree in the area in which they see a long-term future.
3. Non-traditional students who started a degree in communication at some point, never finished the degree, and have a desire to finish the degree.
4. Veterans and Military personnel wanting to work in public affairs.

##### Secondary audience:

1. Traditional Campus 1 students who may need to take a course while away from Starkville either during the summer or during a semester at home.

#### 4. LEARNING OUTCOMES

Upon completion of the public relations concentration, the successful student will be able to:

- apply the four-step public relations process efficiently and express the effectiveness of proposed public relations tactics to clients
- understand the connection between communication theory and “real world” public relations applications
- know the basics of conducting a client analysis
- know how to identify and analyze a target public
- know how to develop a realistic public relations campaign strategy to efficiently communicate with an organization’s target publics
- know how to work as an effective group member
- produce a comprehensive public relations campaign that meets a client’s needs
- write professional public relations materials for internal and external audiences via multiple channels
- understand and conduct public relations research
- establish communication goals and objectives
- present information polished written and oral ideas and solutions in a professional manner
- design effective research studies.
- execute a meaningful research study
- analyze results of research using complex statistical methods
- report results of research
- apply research results to the practice of public relations
- use multiple research software products to collect data and analyze statistics
- work proficiently in Adobe Creative Suite software (primarily Illustrator and InDesign)
- understand how to use various PR tactics to build PR campaigns.
- produce professional public relations materials for internal and external audiences via multiple channels.
- conduct social media audit of an organization through critical analysis
- demonstrate ability to write effectively across social media platforms
- identify strengths and weaknesses of different social media communication technologies
- recognize when and when not to use social media and certain social media tactics
- analyze crisis management tactics through social media

- produce quality written and audio/visual materials for a portfolio of social media writing and analysis
- use multi-media posting platforms

5. EFFECTIVE DATE

Fall 2021

6. CONTACT PERSON

Kelli Anthony, 662.312.2649

7. LETTER OF SUPPORT

See attached support letter.

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

<b>Institution:</b>			
<b>Date of Initial Program Approval:</b>		<b>Date of Implementation:</b>	
<b>Cost to Offer by Distance Learning:</b>			
<b>Program Title as It Appears on Academic Program Inventory, Diploma, and Transcript:</b>			<b>Six-Digit CIP Code(s) &amp; Four-Digit Sequence Code(s):</b>
CIP & Sequence codes: <a href="#">IHL Active Program Inventory</a>			
<b>Degree(s) to be Awarded:</b>		<b>Credit Hour Requirements:</b>	
<b>Can this program be completed entirely online?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Will this program require separate admission from those offered on-campus?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Responsible Academic Unit(s):</b>		<b>Institutional Contact:</b>	
		<b>Phone:</b>	
		<b>Email:</b>	
<b>Number of Students Expected to Enroll in First Six Years:</b>		<b>Number of Graduates Expected in First Six Years:</b>	
Year One		Year One	
Year Two		Year Two	
Year Three		Year Three	
Year Four		Year Four	
Year Five		Year Five	
Year Six		Year Six	
Total		Total	
<b>Program Summary:</b>			
_____ <b>Chief Academic Officer Signature</b>		_____ <b>Date</b>	
_____ <b>Institutional Executive Officer Signature</b>		_____ <b>Date</b>	



APPROVAL FORM FOR  
**DEGREE PROGRAMS**  
MISSISSIPPI STATE UNIVERSITY

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

**College:** Business

**Department:** Adkerson School of Accountancy

**Contact Person:** Brad S. Trinkle

**Mail Stop:** 9584 **E-mail:** brad.trinkle@msstate.edu

**Nature of Change:** Modification

**Date Initiated:** 03/2020 **Effective Date:** 06/2020

**Current Degree Program Name:** Master of Taxation (MTX)

**Major:**

**Concentration:**

**New Degree Program Name:**

**Major:**

**Concentration:**

**Summary of Proposed Changes:**

Three required courses (ACC 8013 Seminar in Financial Accounting Theory, ACC 8033 Assurance and Audit Data Analysis, and ACC 8043 Fraud Examination and Data Analysis) will be reclassified as electives. One additional elective (ACC 8053 Financial Accounting Policy) will be added to the list of electives. Students will then select three of those courses to earn the nine credit hours that were formerly required. The degree program remains at a total of 30 credit hours.

**Approved:**

**Date:**

\_\_\_\_\_  
Department Head

*Brad Trinkle*

\_\_\_\_\_  
Chair, College or School Curriculum Committee

\_\_\_\_\_  
April 03,2020

\_\_\_\_\_  
Dean of College or School

\_\_\_\_\_  
Chair, University Committee on Courses and Curricula

\_\_\_\_\_  
Chair, Graduate Council (if applicable)

\_\_\_\_\_  
Chair, Deans Council

## 2. 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 Taxation Major: Concentrations:		Degree: Master of Taxation Major: Concentrations:	
"[Click here and type old degree description]"		"[Click here and type new degree description]"	
"[Click here and type old concentration description]"		"[Click here and type new concentration description]"	
<b>CURRENT CURRICULUM OUTLINE</b>	Required Hours	<b>PROPOSED CURRICULUM OUTLINE</b>	Required Hours
Major Required Courses		Major Required Courses	
<i>Required Courses:</i>		<b>Required Courses:</b>	
ACC 8063 Research in Tax Practice and Procedures	3	ACC 8063 Research in Tax Practice and Procedures	3
ACC 8073 Taxation of Corporations and Shareholders	3	ACC 8073 Taxation of Corporations and Shareholders	3
ACC 8093 Taxation of Partnerships, S Corporations, Trusts, and Estates	3	ACC 8093 Taxation of Partnerships, S Corporations, Trusts, and Estates	3
ACC 8113 Advanced Individual Taxation and Wealth Management	3	ACC 8113 Advanced Individual Taxation and Wealth Management	3
ACC 8123 Tax Topics	3	ACC 8123 Tax Topics	3
<i>ACC 8013 Seminar in Financial Accounting Theory</i>	3	<b>Electives: (Choose 3 of the following courses)</b>	
<i>ACC 8033 Assurance and Audit Data Analysis</i>	3	<b>ACC 8013 Seminar in Financial Accounting Theory</b>	9
<i>ACC 8043 Fraud Examination and Data Analysis</i>	3	<b>ACC 8033 Assurance and Audit Data Analysis</b>	
Electives:		<b>ACC 8043 Fraud Examination and Data Analysis</b>	
Any approved graduate-level accounting or business courses.	6	<b>ACC 8053 Financial Accounting Policy</b>	
Concentration in Systems (9 credit hours in total)		Any approved graduate-level accounting or business courses.	6
In lieu of 6 hours of graduate-level business or accounting courses, a student may elect a concentration in systems by selecting the two courses below:		Concentration in Systems (9 credit hours in total)	
BIS 8213* Advanced Systems Analysis and Design		In lieu of 6 hours of graduate-level business or accounting courses, a student may elect a concentration in systems by selecting the two courses below:	
BIS 8313 Advanced Database Design Administration		BIS 8213* Advanced Systems Analysis and Design	
* Programming prerequisites may be required.		BIS 8313 Advanced Database Design Administration	
Graduate Minor in Business Analytics (9 credit hours in total)		<b>Any approved course for the concentration.</b>	
In lieu of 6 hours of graduate-level business or accounting courses, a student may elect a Graduate Minor in Business Analytics by selecting the two courses below:		* Programming prerequisites may be required.	
BIS 8413 Data Analytics		Graduate Minor in Business Analytics (9 credit hours in total)	
BQA 6413 Business Forecasting and Predictive Analytics		In lieu of 6 hours of graduate-level business or accounting courses, a student may elect a Graduate Minor in Business Analytics by selecting the two courses below:	
		BIS 8413 Data Analytics	
		BQA 6413 Business Forecasting and Predictive Analytics	
		<b>Any approved course for the minor.</b>	
<b>Total Hours</b>	30	<b>Total Hours</b>	30

### **3. Justification and Student Learning Outcome**

To keep our program in line with our peer and aspirant schools' programs and to make it possible for our students to obtain a minor inside of their 30 hour program. The accounting profession is increasing their focus on business/data analytics, subsequently increasing the learning outcome expectations of accounting graduates to include a working knowledge of business/data analytics Graduate Minor in Data Analytics is very beneficial for the students.

### **4. Support**

The change was unanimously approved by the Adkerson School of Accountancy as indicated in the attached letter of support. The degree modification requires no additional faculty support at current or expected enrollment letters. The school currently has sufficient personnel and infrastructure to make this change.

### **5. Proposed 3-Letter Abbreviation**

The abbreviation for the MTX will not change.

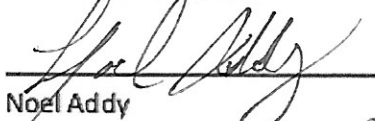
### **6. Effective Date**

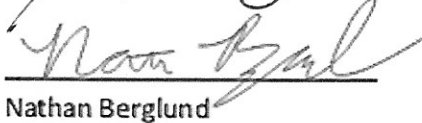
June 1, 2020

April 2, 2020

To the University Courses & Curriculum Committee:

The faculty of the Adkerson School of Accountancy support the modification of the Master of Taxation curriculum.

  
Noel Addy

  
Nathan Berglund

Emily Hunt

Emily Hunt

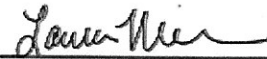
Joshua Hunt

Joshua Hunt

  
Brad Lang

Shawn Mauldin Digitally signed by Shawn Mauldin  
Date: 2020.04.02 17:06:18 -0500

Shawn Mauldin

  
Lauren Milbach

Lauren Milbach

  
Alan Stancill

Alan Stancill

Brad Trinkle

Brad Trinkle

April 3, 2020

Brad, The document is not allowing me to sign it electronically. Please submit this email with your documents indicating that I am approving the degree modification.

Sharon L. Oswald  
Dean, College of Business  
Professor of Management  
Mississippi State University  
114 McCool Hall  
P.O. Box 5288  
Mississippi State, MS 39762  
[Soswald@business.msstate.edu](mailto:Soswald@business.msstate.edu)  
662-325-2580  
Fax 662-325-2410

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: Computer Science & Engineering  
Contact Person: Sarah B. Lee      Mail Stop: 9637      E-mail: sblee@cse.msstate.edu  
Nature of Change: Modification      Date Initiated: 3/4/2020      Effective Date: 8/1/2020

Degree to be offered at: Starkville campus

Current Degree Program Name: B.S.

Major: Computer Science      Concentration:

New Degree Program Name:

Major:      Concentration:

## Summary of Proposed Changes:

This modification is being made in order to provide a more flexible curriculum for our students, enabling them to take more courses in specialized area of computing that they choose. The changes also support the current ABET accreditation requirements. This will better prepare students for work in industry, government, and entrepreneurial pathways. The revised curriculum also introduces lower level CSE courses that students will take as freshmen and sophomores in order to better prepare them for higher level CSE courses. This is resulting from a longitudinal study of student outcomes since 2011, and will positively affect retention in that students will develop skills earlier that enables them to be confident in their technical abilities earlier and to be more successful in higher level CSE coursework. The increase in technical and free electives should enable a smoother transition for transfer students in that more of their incoming hours can apply towards the curriculum.

## The changes are listed below:

- Reducing credit hours of CSE 1002 to more efficiently introduce incoming freshmen to the content area
- Adding CSE 2213 Methods & Tools for SW Dev to enable students to learn core computing concepts earlier in the curriculum
- Adding CSE 3183 Systems Programming to enable students to learn core computing concepts earlier in the curriculum
- Adding CSE 3723 Computer Organization to cover hardware requirements necessary for the CS degree per ABET requirements

- Changing the level (and course number) for CSE 4763 Ethical & Legal Issues to CSE 3763 to enable students to take the course earlier in the curriculum.
- Increasing the credit hours for CSE 4813 Programming Languages to four and changing the name of the course to CSE 4714 Theory and Implementation of Programming Languages to allow for more hands-on project-based learning
- Increasing flexibility in science requirements by requiring CSE 1213 Chemistry I and CH 1211 Chem lab only, and providing options for remaining science hours
- Increasing flexibility through have a greater number of technical elective hours (requiring some to be CSE hours) and more free elective hours.
- Removing the requirement of CSE 4503 DB and CSE 3813 Formal Languages and allowing those to be taken as a technical elective
- Removing CSE 3324 DCSP, as this course has outlived its relevancy in the technical landscape

**Approved:**



Department Head

**Date:**

3/23/2020

4/5/2020

Chair, College or School Curriculum Committee

Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

Chair, Deans Council

## 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:BS Major:computer science Concentration: N/A	Degree:BS Major:computer science Concentration: N/A
<p>Computer Science is the study of the principles, applications, and technologies of computing and computers. It involves the study of data and data structures and the algorithms to process these structures; principles of computer architecture-both hardware and software; problem solving and design methodologies; and language design, structure and translation techniques. Computer Science provides a foundation of knowledge for students with career objectives in a wide range of computing and computer-related professions.</p> <p>The objectives for the department with respect to the Bachelor of Science Degree in Computer Science are as follows:</p> <ol style="list-style-type: none"> <li>1. The graduate will demonstrate an understanding of computer science principles and an ability to solve unstructured computer science problems through the successful entrance into and advancement in the computer science profession.</li> <li>2. The graduate will demonstrate an appreciation for lifelong learning and for the value of continuing professional development through participation in graduate education, professional education or continuing education opportunities, attainment of professional licensure, or membership in professional societies.</li> <li>3. The graduate will demonstrate an understanding of professional and ethical responsibilities to the profession, society and the environment incumbent on a computer science professional.</li> <li>4. The graduate will successfully interact with others of different backgrounds, educations, and cultures.</li> <li>5. The graduate will demonstrate effective communication skills in their profession.</li> </ol> <p>Computer Science graduates begin careers as computer programmers, system analysts, programmer/analysts, software engineers, systems programmers, computer system engineers and in a number of other computer-related jobs. A minor in computer science is available to students with major programs of study in other fields at the University.</p> <p>The Bachelor of Science degree requires the completion of a total of 128 credit hours of general studies, computer science, mathematics and science,</p>	<p>Computer Science is the study of the principles, applications, and technologies of computing and computers. It involves the study of data and data structures and the algorithms to process these structures; principles of computer architecture-both hardware and software; problem solving and design methodologies; and language design, structure and translation techniques. Computer Science provides a foundation of knowledge for students with career objectives in a wide range of computing and computer-related professions.</p> <p>The objectives for the department with respect to the Bachelor of Science Degree in Computer Science are as follows:</p> <ol style="list-style-type: none"> <li>1. The graduate will demonstrate an understanding of computer science principles and an ability to solve unstructured computer science problems through the successful entrance into and advancement in the computer science profession.</li> <li>2. The graduate will demonstrate an appreciation for lifelong learning and for the value of continuing professional development through participation in graduate education, professional education or continuing education opportunities, attainment of professional licensure, or membership in professional societies.</li> <li>3. The graduate will demonstrate an understanding of professional and ethical responsibilities to the profession, society and the environment incumbent on a computer science professional.</li> <li>4. The graduate will successfully interact with others of different backgrounds, educations, and cultures.</li> <li>5. The graduate will demonstrate effective communication skills in their profession.</li> </ol> <p>Computer Science graduates begin careers as computer programmers, system analysts, programmer/analysts, software engineers, systems programmers, computer system engineers and in a number of other computer-related jobs. A minor in computer science is available to students with major programs of study in other fields at the University.</p> <p>The Bachelor of Science degree requires the completion of a total of 128 credit hours of general studies, computer science, mathematics and science, and supporting technical courses. To graduate, a student must have a "C" average in all MSU computer science and engineering</p>



and supporting technical courses. To graduate, a student must have a "C" average in all MSU computer science and engineering courses attempted.		courses attempted.	
N/A		N/A	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
EN 1103 English Composition I EN 1113 English Composition II	6	EN 1103 English Composition I EN 1113 English Composition II	6
Fine Arts (any General Education course in this category)	3	Fine Arts (any General Education course in this category)	3
Humanities (any General Education course in this category)	6	Humanities (any General Education course in this category)	6
Social Science (any General Education course in this category)	6	Social Science (any General Education course in this category)	6
Technical Writing GE 3513	3	Technical Writing GE 3513	3
<i>Communications: CO 1003/CO1013</i>	3		
<b>Departmental Requirements:</b>		<b>Departmental Requirements:</b>	
MA 1713 Calculus I	3	MA 1713 Calculus I	3
MA 1723 Calculus II	3	MA 1723 Calculus II	3
MA 3113 Linear Algebra	3	MA 3113 Linear Algebra	3
Math elective:	3	Math elective:	3
MA 2733 Calculus III, or MA 3053 Foundations of Math., or MA 4143 Graph Theory, or MA 4173 Number Theory		MA 2733 Calculus III, or MA 3053 Foundations of Math., or MA 4143 Graph Theory, or MA 4173 Number Theory	
IE 4613 Engineering Statistics I or MA 4523 Intro to Prob	3	Statistics Requirement: IE 4613 Engineering Statistics I or MA 4523 Intro to Prob <b>or MA 4543 Intro to Math Stat 1 or BQA 2113 Bus Stats Methods</b>	3
<i>BIO 1134 Biological Science I</i>	4	CH 1213 Chemistry I	3
CH 1213 Chemistry I	3	CH 1211 Chemistry Lab	1
CH 1211 Chemistry Lab	1	<b>Science Electives:</b>	<b>6</b>
PH 2213 Physics I	3	<b>PH 2213, Physics I, PH 2223 Physics 2, or</b>	
<i>Science Elective:</i>	3	<b>CH 1223 Chemistry 2 &amp; CH 1221, BIO 1134 Biological Science I,</b>	
<i>PH 2223 Physics 2, or</i>		<b>BIO 1144 Biology 2</b>	
<i>CH 1223 Chemistry 2 &amp; CH 1221, or</i>		<b>CSE 1011 Intro to CSE</b>	<b>1</b>
<i>BIO 1144 Biology 2</i>			

		CSE 1284 Intro Comp Prog.	4
	2	CSE 1384 Inter Comp Prog.	4
<i>CSE 1002 Intro to CSE</i>	4	<b>CSE 2213 Methods &amp; Tools in SW Dev</b>	<b>3</b>
CSE 1284 Intro Comp Prog.	4		
CSE 1384 Inter Comp Prog.		CSE 2383 Data Str & Anal of Alg	3
		CSE 2813 Discrete Structures	3
CSE 2383 Data Str & Anal of Alg	3	<b>CSE 3713 Systems Programming</b>	<b>3</b>
CSE 2813 Discrete Structures	3	<b>CSE 3723 Computer Organization</b>	<b>3</b>
<i>CSE 3324 Dist Client Serv Prog</i>	4	<b>CSE 4714 Theory &amp; Implementation of Programming Languages</b>	<b>4</b>
<i>CSE 3813 Formal Languages</i>	3	CSE 4733 Operating Systems I	3
<i>CSE 4503 Database Mgmt Sys</i>	3	CSE 4833 Intro. to Anal. of Alg.	3
<i>CSE 4713 Programming Lang.</i>	3	<b>CSE 3763 Ethical &amp; Legal Issues</b>	<b>3</b>
CSE 4733 Operating Systems I	3	<b>Technical Elective</b>	<b>27</b>
CSE 4833 Intro. to Anal. of Alg.	3	<b>Free electives</b>	<b>15</b>
<i>CSE 4763 Ethical &amp; Legal Issues</i>	3		
<i>CSE Group 1 Electives</i>	6		
<i>CSE Group 2 Electives</i>	6		
<i>ECE 3714 Digital Devices</i>	4		
<i>ECE 3724 Microprocessors I</i>	4		
<i>ECE 4713 Computer Architecture</i>	3		
Technical Elective	3		
<b>Free electives</b>	<b>8</b>		
<b>Technical Electives:</b> MA 2743 Calculus IV MA 3253 Differential Equations MA 4313 Numerical Analysis MA 4523 Probability IE 3913 Engineering Economy IE 4773 Simulation IE 4533 Project Management IE 4513 Engineering Administration IE 4624 Statistics II IE 4713 Operations Research ECE 4723 Microprocessors II ECE 4733 Adv. Microprocessors ECE 4743 Digital Systems Design BIS 4533 Decision Support Systems BIS 4523 Business programming with COBOL any upper-level computer science course		<b>Technical Electives:</b> MA 2743 Calculus IV MA 3253 Differential Equations MA 4313 Numerical Analysis MA 4523 Probability IE 3913 Engineering Economy IE 4773 Simulation IE 4533 Project Management IE 4513 Engineering Administration IE 4624 Statistics II IE 4713 Operations Research ECE 4723 Microprocessors II ECE 4733 Adv. Microprocessors ECE 4743 Digital Systems Design BIS 4533 Decision Support Systems BIS 4523 Business programming with COBOL any upper-level computer science course	
Concentration Courses		Concentration Courses	
Total Hours	128	Total Hours	128

## 1. JUSTIFICATION AND STUDENT LEARNING OUTCOMES

This modification is being made in order to provide a more flexible curriculum for our students, enabling them to take more courses in specialized area of computing that they choose. The changes also support the current ABET accreditation requirements. This will better prepare students for work in industry, government, and entrepreneurial pathways. The revised curriculum also introduces lower level CSE courses that students will take as freshmen and sophomores in order to better prepare them for higher level CSE courses. This is resulting from a longitudinal study of student outcomes since 2011, and will positively affect retention in that students will develop skills earlier that enables them to be confident in their technical abilities earlier and to be more successful in higher level CSE coursework.

- 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**
- Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? **Yes**
- Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? **No**

The learning outcomes of the program, listed below, remain the same:

1. The graduate will demonstrate an understanding of computer science principles and an ability to solve unstructured computer science problems through the successful entrance into and advancement in the computer science profession.
2. The graduate will demonstrate an appreciation for lifelong learning and for the value of continuing professional development through participation in graduate education, professional education or continuing education opportunities, attainment of professional licensure, or membership in professional societies.
3. The graduate will demonstrate an understanding of professional and ethical responsibilities to the profession, society and the environment incumbent on a computer science professional.
4. The graduate will successfully interact with others of different backgrounds, educations, and cultures.
5. The graduate will demonstrate effective communication skills in their profession.



MISSISSIPPI STATE UNIVERSITY™  
JAMES WORTH  
**BAGLEY**  
COLLEGE OF ENGINEERING

DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING

Andy D. Perkins, Ph.D.  
Associate Professor  
perkins@cse.msstate.edu

March 4, 2020


University Committee on Courses and Curricula  
PO Box 5268  
Mississippi State, MS 39762

Dr. Franz:


Please find attached a proposal to modify the BS in Computer Science and the BS in Software Engineering. The faculty of the Computer Science and Engineering department voted unanimously to make the changes at a February 28, 2020 faculty meeting. These changes also include the modification of CSE 1002, CSE 4713, and CSE 3183 and addition of CSE 2213 and CSE 3723. Technical changes are being submitted for CSE 4733, CSE 4153, CSE 4163, CSE 4243, CSE 4253, CSE 4363, and CSE 4733 to update prerequisites.

Please feel free to contact me if there are any questions or concerns.

Sincerely,

  
Andy D. Perkins  
2020.03.19 10:12:24  
-05'00'


Andy D. Perkins, Ph.D.  
CSE Courses and Curricula Committee Chair  
Associate Professor

  
Digitally signed by Joseph J.  
Crumpton  
Date: 2020.03.19 11:48:45  
-05'00'

Joseph Crumpton, Ph.D.  
CSE Courses and Curricula Committee Member  
Assistant Clinical Professor



Christopher McDaniel  
CSE Courses and Curricula Committee Member  
Lecturer



Kortni Neal  
CSE Courses and Curricula Committee Member  
Instructor

**Lee, Sarah**

---

**From:** Lee, Sarah  
**Sent:** Wednesday, March 4, 2020 5:33 PM  
**To:** France, Stephen  
**Cc:** Moore, Melissa  
**Subject:** Re: Business Statistics/CS Curriculum Change

Stephen,

I am happy to meet with you. Shall we plan to meet after spring break? I am out of town the rest of this week.

We can certainly communicate to CSE students the requirement for the business analytics minor. Similarly, we have a lot of students that pursue a math minor and they are advised to choose appropriately for that.

Regards,  
Sarah

Dr. Sarah B. Lee

---

**From:** France, Stephen <sfrance@business.msstate.edu>  
**Sent:** Wednesday, March 4, 2020 5:15:39 PM  
**To:** Lee, Sarah <sblee@cse.msstate.edu>  
**Cc:** Moore, Melissa <mmoore@business.msstate.edu>  
**Subject:** Business Statistics/CS Curriculum Change

Dear Dr. Lee,

My name is Stephen and I'm an Associate Professor of Business Quantitative Analysis in the business school (Dr. Melissa Moore is my department head). I was forwarded your email with regards to allowing BQA 2113 to be substituted for IE 4613 in the business school. This looks OK in general, but there is a situation where it may cause a few problems.

I teach BQA 4413/BQA 6413: Business Forecasting and Predictive Analytics and MKT 4533 Marketing Research, both of which are part of our analytics minor.

These courses have a prerequisite of BQA 3123 Business Stats II or equivalent. For the equivalent we will generally accept IE 4613 (as it is a 4000 level class and looks rigorous), but we would not accept BQA 2113 Business Stats I, which is an intro course that a good proportion of our students transfer in from CC.

So ironically, doing the business stats course rather than the engineering stats course would force students to take an additional course before being allowed into the business analytics minor. I don't see a major problem from our end, but if students take this route then they really need to be forewarned.

I was actually planning to contact the undergraduate coordinators in Comp Sci/Engineering, as we've started to get your students in the analytics minor and we want to be able to serve these students better, particularly in terms of electives. Please would you be interested in meeting to discuss this? I'd be happy to pop over and bring you some of the analytics curriculum outline/syllabi etc.

Kindest Regards,  
Stephen

---

**Stephen L. France**

*Associate Professor of Business Quantitative Analysis*

324 McCool Hall

40 Old Main

Mailstop 9582

Mississippi State, MS 39762

P: 662.325.1630

F: 662.325.7012

Email: [sfrance@business.msstate.edu](mailto:sfrance@business.msstate.edu)

Web: <http://sites.google.com/site/psychminegroup/home>

GitHub: <https://github.com/MDSOPT>



**MISSISSIPPI STATE**  
UNIVERSITY

**From:** Lee, Sarah <[sblee@cse.msstate.edu](mailto:sblee@cse.msstate.edu)>

**Sent:** Wednesday, March 4, 2020 11:59 AM

**To:** Young, Vincent <[vyoung@business.msstate.edu](mailto:vyoung@business.msstate.edu)>

**Subject:** CS curriculum change request

Vincent,

We are updating our computer science undergraduate statistics requirement. Currently we require IE 4613 Engineering Statistics I or MA 4523 Intro to Probability. We are hoping to add two more options for CS undergrad majors to choose from: MA 4543 Intro to Math Stat 1 and BQA 2113 Bus Stats Methods.

We will need a letter from your department approving the addition of the **BQA 2113 Bus Stats Methods** as an alternative for the CS undergrad stats requirement. Let me know if you want to discuss. We appreciate your consideration of this request as we work to implement more flexibility in the CS curriculum. Please note that this does not apply to our software engineering students, only CS majors.

Regards,

Sarah

**Dr. Sarah B. Lee**

Associate Clinical Professor & Assistant Department Head

Department of Computer Science and Engineering

665 George Perry St.

Mailstop 9637

Mississippi State, MS 39762

P: 662.325.2756

F: 662.325.8997

March 5, 2020

Dear Dr. Lee,

I am writing you in regards to the approval of MA/ST 4543, Introduction to Mathematical Statistics I, from the Department of Mathematics and Statistics, for the program requirement for the degree of Bachelor's of Science in Computer Science. This course would be appropriate for students who have taken a multivariable calculus course or equivalent. Students will learn combinatorics, probability, random variables, discrete and continuous distributions, generating functions, moments, special distributions, multivariate distributions, independence, and distributions of functions of random variables. This course is an acceptable undergraduate statistics requirement for any degree in science, specifically in computer science. Please accept this letter of support for the approval of adding this course as a viable option for the degree of Bachelor's of Science in Computer Science.

Sincerely yours,

Dr. Matt McBride  
Assistant Professor and Undergraduate Coordinator  
Department of Mathematics and Statistics  
Mississippi State University  
Mississippi State, MS 39762

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: Computer Science & Engineering  
Contact Person: Sarah B. Lee      Mail Stop: 9637      E-mail: sblee@cse.msstate.edu  
Nature of Change: Modification      Date Initiated: 3/4/2020      Effective Date: 08/01/2020  
Degree to be offered at: Starkville campus  
Current Degree Program Name: B.S.  
Major: Software Engineering      Concentration:

New Degree Program Name:

Major:      Concentration:

## Summary of Proposed Changes:

This modification is being made in order to provide a more flexible curriculum for our students, enabling them to take more courses in specialized area of computing that they choose. The changes also support the current ABET accreditation requirements. This will better prepare students for work in industry, government, and entrepreneurial pathways. The revised curriculum also introduces lower level CSE courses that students will take as freshmen and sophomores in order to better prepare them for higher level CSE courses. This is resulting from a longitudinal study of student outcomes since 2011, and will positively affect retention in that students will develop skills earlier that enables them to be confident in their technical abilities earlier and to be more successful in higher level CSE coursework. The increase in technical and free electives should enable a smoother transition for transfer students in that more of their incoming hours can apply towards the curriculum.

The changes are listed below:

- Reducing credit hours of CSE 1002 to more efficiently introduce incoming freshmen to the content area
- Adding CSE 2213 Methods & Tools for SW Dev to enable students to learn core computing concepts earlier in the curriculum
- Adding CSE 3183 Systems Programming to enable students to learn core computing concepts earlier in the curriculum



- Adding CSE 3723 Computer Organization to cover hardware requirements necessary for the CS degree per ABET requirements
- Changing the level (and course number) for CSE 4763 Ethical & Legal Issues to CSE 3763 to enable students to take the course earlier in the curriculum.
- Increasing flexibility in science requirements by requiring CSE 1213 Chemistry I and CH 1211 Chem lab only, and providing options for remaining science hours
- Increasing flexibility through have a greater number of technical elective hours (requiring some to be CSE hours) and more free elective hours.
- Removing the requirement of CSE 4503 DB and CSE 4153 Data Comm and allowing those to be taken as a technical elective
- Removing CSE 3324 DCSP, as this course has outlived its relevancy in the technical landscape

**Approved:**



Department Head

**Date:**

3/23/2020

4/5/2020

Chair, College or School Curriculum Committee

Dean of College or School

Chair, University Committee on Courses and Curricula

Chair, Graduate Council(if applicable)

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**Chair, Deans Council**

## DEGREE MODIFICATION PROPOSAL

### 1. CATALOG DESCRIPTION

See below.

### 2. CURRICULUM OUTLINE

CURRENT Degree Description		PROPOSED Degree Description	
Degree:B.S. Major:Software Engineering Concentration:N/A		Degree:B.S. Major: Software Engineering Concentration:N/A	
<p>Software Engineering is the application of engineering practices to the design and maintenance of software. The Software Engineering degree program prepares students for careers in the engineering of large complex software systems and products. These systems often involve millions of lines of code and frequently operate in safety-critical environments. The Software Engineering major contains courses related to the study of software engineering in practice necessary to manage these development processes. The faculty for the Software Engineering program is drawn from the Department of Computer Science and Engineering and the Department of Industrial Engineering.</p> <p>The objectives for the department with respect to the Bachelor of Science Degree in Software Engineering are as follows:</p> <ol style="list-style-type: none"> <li>1. The graduate will demonstrate an understanding of engineering principles and an ability to solve unstructured engineering problems through the successful entrance into and advancement in the engineering profession.</li> <li>2. The graduate will demonstrate an appreciation for lifelong learning and for the value of continuing professional development through participation in graduate education, professional education or continuing education opportunities, attainment of professional licensure, or membership in professional societies.</li> <li>3. The graduate will demonstrate an understanding of professional and ethical responsibilities to the profession, society and the environment incumbent on an engineering professional.</li> <li>4. The graduate will successfully interact with others of different backgrounds, educations, and cultures.</li> <li>5. The graduate will demonstrate effective communication skills in their profession.</li> </ol> <p>The software engineering program is accredited by the Engineering Accreditation Commission of ABET, <a href="http://www.abet.org">http://www.abet.org</a>.</p>		<p>Software Engineering is the application of engineering practices to the design and maintenance of software. The Software Engineering degree program prepares students for careers in the engineering of large complex software systems and products. These systems often involve millions of lines of code and frequently operate in safety-critical environments. The Software Engineering major contains courses related to the study of software engineering in practice necessary to manage these development processes. The faculty for the Software Engineering program is drawn from the Department of Computer Science and Engineering and the Department of Industrial Engineering.</p> <p>The objectives for the department with respect to the Bachelor of Science Degree in Software Engineering are as follows:</p> <ol style="list-style-type: none"> <li>1. The graduate will demonstrate an understanding of engineering principles and an ability to solve unstructured engineering problems through the successful entrance into and advancement in the engineering profession.</li> <li>2. The graduate will demonstrate an appreciation for lifelong learning and for the value of continuing professional development through participation in graduate education, professional education or continuing education opportunities, attainment of professional licensure, or membership in professional societies.</li> <li>3. The graduate will demonstrate an understanding of professional and ethical responsibilities to the profession, society and the environment incumbent on an engineering professional.</li> <li>4. The graduate will successfully interact with others of different backgrounds, educations, and cultures.</li> <li>5. The graduate will demonstrate effective communication skills in their profession.</li> </ol> <p>The software engineering program is accredited by the Engineering Accreditation Commission of ABET, <a href="http://www.abet.org">http://www.abet.org</a>.</p>	
CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
EN 1103 English Composition I EN 1113 English Composition II	6	EN 1103 English Composition I EN 1113 English Composition II	6

# DEGREE MODIFICATION PROPOSAL

Fine Arts (any General Education course in this category)	3	Fine Arts (any General Education course in this category)	3
Humanities (any General Education course in this category)	6	Humanities (any General Education course in this category)	6
Social Science (any General Education course in this category)	6	Social Science (any General Education course in this category)	6
Technical Writing GE 3513	3	Technical Writing GE 3513	3
<i>Communications: CO 1003/CO1013</i>	3		
Departmental Requirements:		Departmental Requirements:	
MA 1713 Calculus I		MA 1713 Calculus I	3
MA 1723 Calculus II	3	MA 1723 Calculus II	3
MA 3113 Linear Algebra	3	MA 3113 Linear Algebra	3
Math elective:	3	Math elective:	3
MA 2733 Calculus III, or MA 3053 Foundations of Math., or MA 4143 Graph Theory, or MA 4173 Number Theory	3	MA 2733 Calculus III, or MA 3053 Foundations of Math., or MA 4143 Graph Theory, or MA 4173 Number Theory	
IE 4613 Engineering Statistics I	3	IE 4613 Engineering Statistics I	3
<i>BIO 1134 Biological Science I</i>		CH 1213 Chemistry I	3
CH 1213 Chemistry I	4	CH 1211 Chemistry Lab	1
CH 1211 Chemistry Lab	3	<b>Science Electives:</b>	8
<i>PH 2213 Physics I</i>	1	<b>PH 2213, Physics I, PH 2223 Physics 2, or CH 1223 Chemistry 2 &amp; CH 1221, BIO 1134 Biological Science I, BIO 1144 Biology 2</b>	
<i>Science Elective:</i>	3	<b>CSE 1011 Intro to CSE</b>	1
<i>PH 2223 Physics 2, or CH 1223 Chemistry 2 &amp; CH 1221, or BIO 1144 Biology 2</i>	3	CSE 1284 Intro Comp Prog.	4
<i>CSE 1002 Intro to CSE</i>		CSE 1384 Inter Comp Prog.	4
CSE 1284 Intro Comp Prog.	2	CSE 2383 Data Str & Anal of Alg	3
CSE 1384 Inter Comp Prog.	4	CSE 2813 Discrete Structures	3
CSE 2383 Data Str & Anal of Alg	4	<b>CSE 2213 Methods &amp; Tools in SW Dev</b>	3
CSE 2813 Discrete Structures	3	<b>CSE 3713 Systems Programming</b>	3
<i>CSE 3324 Dist Client Serv Prog</i>	3	<b>CSE 3723 Computer Organization</b>	3
<i>CSE 4503 Database Mgmt Sys</i>	4	CSE 4733 Operating Systems I	3
CSE 4733 Operating Systems I	3	CSE 4833 Intro. to Anal. of Alg.	3
CSE 4833 Intro. to Anal. of Alg.	3	CSE 3213 SW Eng Sr Project 1	3
<i>ECE 3714 Digital Devices</i>	3	CSE 3223 SW Eng Sr Project 2	3
<i>ECE 3724 Microprocessors I</i>	4	CSE 4283 SW Testing & QA	3
	4	CSE 4233 SW Arch & Design	3
		IE 4533 Project Mgmt or CSE 4223	3

# DEGREE MODIFICATION PROPOSAL

CSE 3213 SW Eng Sr Project 1	3	SW Project Mgmt	
CSE 3223 SW Eng Sr Project 2	3	CSE 4214 Intro to SE	4
<i>CSE 4153 Data Comm Networks</i>	3	<b>CSE 3763 Ethical &amp; Legal Issues</b>	<b>3</b>
CSE 4283 SW Testing & QA	3	<b>Technical Elective</b>	<b>15</b>
CSE 4233 SW Arch & Design	3	<b>Free electives</b>	<b>10</b>
<i>CSE 4763 Ethical &amp; Legal Issues</i>	3		
IE 4533 Project Mgmt or CSE 4223 SW Project Mgmt	3		
CSE 4214 Intro to SE	4		
<i>CSE Security elective</i>	3		
<i>Technical Elective</i>	6		
<i>Free electives</i>	3		
Technical Electives: IE 3913 Engineering Economy IE 4773 Simulation IE 4533 Project Management IE 4513 Engineering Administration IE 4713 Operations Research IE 4113 Human Factors Engineering IE 4123 Psychology of HCI IE 4333 Production Control Systems I IE 4573 Process Improvement Engineering IE 4623 Engineering Statistics II IE 4653 Industrial Quality Control I IE 4733 Linear Programming I BIS 4523 Business Programming w/COBOL BIS 4533 Decision Support Sys  any upper-level CSE, ECE, or MA course		Technical Electives: IE 3913 Engineering Economy IE 4773 Simulation IE 4533 Project Management IE 4513 Engineering Administration IE 4713 Operations Research IE 4113 Human Factors Engineering IE 4123 Psychology of HCI IE 4333 Production Control Systems I IE 4573 Process Improvement Engineering IE 4623 Engineering Statistics II IE 4653 Industrial Quality Control I IE 4733 Linear Programming I BIS 4523 Business Programming w/COBOL BIS 4533 Decision Support Sys  any upper-level CSE, ECE, or MA course	
Concentration Courses		Concentration 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 our students, enabling them to take more courses in specialized area of computing that they choose. The changes also support the current ABET accreditation requirements. This will better prepare students for work in industry, government, and entrepreneurial pathways. The revised curriculum also introduces lower level CSE courses that students will take as freshmen and sophomores in order to better prepare them for higher level CSE courses. This is resulting from a longitudinal study of student outcomes since 2011, and will positively affect retention in that students will develop skills earlier that enables them to be confident in their technical abilities earlier and to be more successful in higher level CSE coursework.

## DEGREE MODIFICATION PROPOSAL

- 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**
- Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? **Yes**
- Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? **No**

The learning outcomes of the program, listed below, remain the same:

1. Graduates will demonstrate an ability to apply knowledge of mathematics, science, and engineering
2. Graduates will demonstrate an ability to design and conduct experiments, as well as to analyze and interpret data
3. Graduates will demonstrate an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. Graduates will demonstrate an ability to function on multidisciplinary teams
5. Graduates will demonstrate an ability to identify, formulate, and solve engineering problems
6. Graduates will demonstrate an understanding of professional and ethical responsibility
7. Graduates will demonstrate an ability to communicate effectively
8. Graduates will demonstrate the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
9. Graduates will demonstrate a recognition of the need for, and an ability to engage in life-long learning
10. Graduates will demonstrate a knowledge of contemporary issues
11. Graduates will demonstrate an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice



MISSISSIPPI STATE UNIVERSITY™  
JAMES WORTH  
**BAGLEY**  
COLLEGE OF ENGINEERING

DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING

Andy D. Perkins, Ph.D.  
Associate Professor  
perkins@cse.msstate.edu

March 4, 2020


University Committee on Courses and Curricula  
PO Box 5268  
Mississippi State, MS 39762

Dr. Franz:


Please find attached a proposal to modify the BS in Computer Science and the BS in Software Engineering. The faculty of the Computer Science and Engineering department voted unanimously to make the changes at a February 28, 2020 faculty meeting. These changes also include the modification of CSE 1002, CSE 4713, and CSE 3183 and addition of CSE 2213 and CSE 3723. Technical changes are being submitted for CSE 4733, CSE 4153, CSE 4163, CSE 4243, CSE 4253, CSE 4363, and CSE 4733 to update prerequisites.

Please feel free to contact me if there are any questions or concerns.

Sincerely,

  
Andy D. Perkins  
2020.03.19 10:12:24  
-05'00'


Andy D. Perkins, Ph.D.  
CSE Courses and Curricula Committee Chair  
Associate Professor

  
Digitally signed by Joseph J.  
Crumpton  
Date: 2020.03.19 11:48:45  
-05'00'

Joseph Crumpton, Ph.D.  
CSE Courses and Curricula Committee Member  
Assistant Clinical Professor



Christopher McDaniel  
CSE Courses and Curricula Committee Member  
Lecturer



Kortni Neal  
CSE Courses and Curricula Committee Member  
Instructor

March 5, 2020

Dear Dr. Lee,

I am writing you in regards to the approval of MA/ST 4543, Introduction to Mathematical Statistics I, from the Department of Mathematics and Statistics, for the program requirement for the degree of Bachelor's of Science in Computer Science. This course would be appropriate for students who have taken a multivariable calculus course or equivalent. Students will learn combinatorics, probability, random variables, discrete and continuous distributions, generating functions, moments, special distributions, multivariate distributions, independence, and distributions of functions of random variables. This course is an acceptable undergraduate statistics requirement for any degree in science, specifically in computer science. Please accept this letter of support for the approval of adding this course as a viable option for the degree of Bachelor's of Science in Computer Science.

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Dr. Matt McBride  
Assistant Professor and Undergraduate Coordinator  
Department of Mathematics and Statistics  
Mississippi State University  
Mississippi State, MS 39762