APPROVAL FORM FOR

DEGREE PROGRAMS

MISSISSIPPI STATE UNIVERSITY

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

College: Education **Department: ISWD**

Contact Person: Dr. Gregory M. Francom Mail Stop: 9730 E-mail: gmf124@msstate.edu
Nature of Change: Program Revision Date Initiated: March 9, 2023 Effective Date: Spring Semester, 2024
Current Degree Program Name: Master of Science

Major: Instructional Technology Concentration: Instructional Design, Distance Education, or Multimedia

New Degree Program Name: Master of Science

Major: Instructional Technology Concentration: Instructional Design, Educational Technology, or Instructional Systems and Workforce Development

Summary of Proposed Changes:
The program modification proposed here involves adjustments to the core courses and concentrations of the existing Master of Science in Instructional Technology program in an effort to better cater to the needs of the program's target audiences. The modification does not create any new courses that are not already in the catalog. Just like the current MSIT program, this newly proposed program has a core of required courses and three concentrations. The proposed core requires 18 credit hours, and the newly proposed concentrations are instructional design, educational technology and instructional systems and workforce development. Each of these concentrations consists of 9 credit hours.

Approved:	Date:
Lessell M Bray	April 5, 2023
Department Head	
Dana Ponzyk	4/17/23
Director of Academic Quality	
JohnEric W. Smith, PhD	Digitally signed by JohnEric W. Smith, PhD Date: 2023.05.16 17:30:56 -05'00'
Chair, College or School Curriculum Committee	
Kimberly R. Hall	Digitally signed by Kimberly R. Hall Date: 2023.05.23 09:01:20 -05'00'
Dean of College or School	
Chair, University Committee on Courses and Curricula	
Chair, Graduate Council(if applicable)	
Chair, Deans Council	

Brief Overview of Proposed Changes to the Program
(see curriculum outline below for more detail)

Number of elective hours for the proposed and current program is the same (6).

Number of overall credit hours for the proposed and current program is the same (33).

Number of courses that need to be developed for the proposed program – 0.

Courses that have been deleted from the current MSIT program (6)

- TECH 8703 Trends and Issues in Instructional Systems & Tech
- TECH 8813 Foundations of distance education
- TECH 8853 Learning technologies in distance education
- TECH 8443 Theories of Multimedia Learning
- TECH 8743 Interactive Media
- TECH 8693 Multiple perspectives on instructional technology

Courses that have been added (5)

- TECH 4763/6763 Digital tools for 21st century teaching and learning
- TECH 4583/6583 Graphics and web design
- TECH 4333/6333 Introduction to computer science education
- TECH 6263 Diverse Wrk & ed Environ
- TECH 8233 Analysis of Workforce Education programs and survey research in workforce development

Courses that have changed concentration or area (5)

- TECH 8713 Research in instructional systems and workforce development
- TECH 8533 Evaluation and assessment in instructional systems and technology
- TECH 8543 Multimedia Design 1
- TECH 8643 Multimedia Design 2
- TECH 8823 Design, delivery and management of distance education

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.

Catalog Description and Curriculum Outline

CURRENT Degree Description	PROPOSED Degree Description
Degree: Master of Science Major: Instructional Technology Concentrations: Instructional Design, *Distance Education*, and *Multimedia*	Degree: Master of Science Major: Instructional Technology Concentrations: **Instructional Design, Educational Technology, and Instructional Systems and Workforce Development**
"The Master of Science in Instructional Technology (MSIT) degree is designed for educators or industry professionals who have interest in the effective use of instructional technology in educational and corporate settings. Choosing from three concentrations – *instructional design, distance education or multimedia* – you will develop up to date knowledge and hands on experience *of* instructional materials for teaching and training."	"The Master of Science in Instructional Technology (MSIT) degree is designed for educators or industry professionals who have interest in the effective use of instructional technology in educational and corporate settings. Choosing from three concentrations – **Instructional Design, Educational Technology, or Instructional Systems and Workforce Development** – you will develop up-to-date knowledge **of learning and instructional design theory**, and **gain** hands-on experience **with** instructional materials for teaching and training."

CURRENT CURRICULUM OUTLINE	Required Hours	**PROPOSED CURRICULUM OUTLINE**	Required Hours
College Required Courses None	0	College Required Courses None	0
Major Required Courses TECH 8843 Foundations of instructional systems and technology *TECH 8693 Multiple perspectives on instructional technology* *TECH 8703 Trends and issues in instructional systems and technology* *TECH 8713 Research in instructional systems and workforce development* TECH 8793 Directed project and portfolio development	15	Major required courses TECH 8843 Foundations of instructional systems and technology **TECH 8823 Design, delivery and management of distance education** **TECH 8623 Instructional design 1** **TECH 8543 Multimedia design 1** **TECH 8533 Evaluation and assessment of instructional systems and technology** TECH 8793 Directed project and portfolio development	18
Concentration 1. (Instructional design) Courses TECH 8723 Instructional design 2 TECH 8523 Project management in instructional design *TECH 8533 Evaluation and assessment in instructional systems and technology* *TECH 8623 Instructional design 1*	12	Concentration 1. (Instructional design) Courses TECH 8723 Instructional design 2 TECH 8523 Project management in instructional design **TECH 8643 Multimedia design 2**	9

Concentration 2. (Multimedia) Courses *TECH 8443 Theories of multimedia Learning* *TECH 8543 Multimedia design 1* *TECH 8643 Multimedia design 2* *TECH 8743 Interactive Media*	12	**Concentration 2. (Educational technology) Courses** **TECH 4763/6763 Digital tools for 21st century teaching and learning** **TECH 4583/6583 Graphics and web design** **TECH 4333/6333 Introduction to computer science education**	9
Concentration 3. (Distance education) Courses *TECH 8533 Evaluation and assessment in instructional systems and technology* *TECH 8813 Foundations of distance education* *TECH 8823 Design, delivery and management of distance education* *TECH 8853 learning technologies in distance education*	12	**Concentration 3. (Instructional systems and workforce development) Courses** **TECH 6263 Diverse Wrk & Ed Environ** **TECH 8233 Analysis of Workforce Education Programs and Survey** **Research in Workforce Developent** **TECH 8713 Research in instructional systems and workforce development**	9
Electives	6	Electives	6
Total Hours	33	Total Hours	33

Justification and Student Learning Outcomes

Three concentrations are proposed in this new MSIT curriculum: Instructional Design, Educational Technology and Instructional Systems and Workforce Development. These new concentrations are more focused on the target audiences for the program: (a) Students wanting to gain instructional design skills to work in education, industry or government organizations, (b) K-12 educators wanting to enhance their skills with educational technologies and become a technology leader at the school, and (c) workforce development professionals. Instead of a distance education or multimedia concentration, ALL students are required to gain basic competencies in these core areas as part of the major required courses. One note about the educational technology concentration is that it fits in with the Mississippi Department of Education's Computer Science Education Endorsement, so if a current K-12 teacher in Mississippi completes this endorsement and goes on to finish the proposed MSIT program, they will get a pay increase. Three of the endorsement courses make up the educational technology concentration and the fourth one (TECH 4553/6553 Information Processing) can be taken as an elective in this program.

Some important reasons for the proposed revisions include the following:

- The current MSIT Program enrollment numbers have dwindled, it's no longer a very viable program at present.
- This proposed program has promise for boosting enrollment because it expands the potential market of students interested in the program to include K-12 educators and workforce development professionals, in addition to the instructional design audience that is an important part of the current MSIT program. The

new target audience for the program includes (a) Students wanting to gain instructional design skills to work in education, industry or government organizations, (b) K-12 educators wanting to enhance their skills with educational technologies and become a technology leader at the school, and (c) workforce development professionals.

- The current MSIT Program is out of date. This update will help align the program better with current practices in the field and also with potential student interests.
- The growth of technology-mediated learning solutions during the pandemic has increased focus on the need for a wide variety of people to have instructional design and distance learning skills (see core courses and Instructional Design concentration).

Additional concepts that guided the revision process

- The target audience for the proposed program allows us to better focus on the audiences available to us here in the region (see proposed concentrations) - Instructional designers, K-12 Educators, and Workforce professionals.
- The Educational Technology concentration in the proposed program also includes courses from the new Computer Science education endorsement classes for K-12 educators. This gives undergraduate students a path to graduate study and increases potential enrollment in these classes. Because the Computer Science education endorsement was adopted by the state, K-12 teachers who complete this endorsement and also finish the proposed MSIT degree get a pay increase from their school district. Three of the endorsement courses make up the educational technology concentration and the fourth one (TECH 4553/6553 Information Processing) can be taken as an elective in this program.

Learning outcomes for the proposed program

- Students will demonstrate a high level of competency in the instructional technology content areas
- Students will develop a well-designed instructional technology project
- Students will be able to develop and evaluate instructional designs for organizations
- Students will apply theoretical concepts to practical instructional systems and programs
- Students will develop effective instructional media

Program modification questions

1. Will this program change meet local, state, regional, and national educational and cultural needs? If so, please describe.
    a. Yes, educational needs. K-12 educators who take the educational technology concentration as part of this degree will better be able to provide technology enhanced learning experiences for students. They will also be better equipped to support distance learning experiences. With the Computer Science Education endorsement, these educators will also be able to support the new Mississippi Department of Education's computer science initiative in which all elementary school must provide one hour of computer science instruction each week starting in the 2023-24 school year.
2. Will this program change result in duplication in the System? If so, please describe.
    a. No, it's a modification of an existing program which doesn't result in duplication in the system.
3. Will this program change/advance student diversity within the discipline? If so, please describe.
    a. No specific changes in the current make up of students/professionals in the discipline are expected as a result of this program modification.
4. Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? If so, please describe.
    a. Yes, the more focused curriculum in the planned program has great potential for placing graduates within the concentration areas of study.
5. Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? If so, please describe.

a. Yes, K-12 Educators who take the Educational Technology concentration and finish the proposed MSIT degree would be eligible for a pay increase from their school district. Students taking the instructional design or instructional systems and workforce development concentrations would benefit from these changes as well, because they would receive more targeted skills that are aligned with best practices.

Proposed 4-Letter Abbreviation

Same as current program: MSIT

To Whom it May Concern, March 20, 2023

Our task force developed the proposed modification to our Master of Science in Instructional Technology program. We presented this proposed modification to our full department faculty. A subsequent department vote revealed that a majority of full department faculty voted in favor of this proposed modification to the MSIT program.

Respectfully,

Alzoubi, Dana	Signature
Beriswill, Joanne	Signature
Francom, Greg	Signature Gregory Francom
Lee, Sang Joon	Signature Sang Joon Lee Sang Joon Lee (Mar 20, 2023 09:57 CDT)