



University Council

August 9, 2024

UNIVERSITY CURRICULUM COMMITTEE – 2024-2025

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Dear Colleagues:

The attached proposal from the Terry College of Business to create an Area of Emphasis in Cloud Computing under the major in Management Information Systems (B.B.A.) and the Management Information Systems and International Business (B.B.A.) co-major will be an agenda item for the August 16, 2024, Full University Curriculum Committee meeting.

Sincerely,

Susan Sanchez, Chair

cc: Provost S. Jack Hu

Dr. Marisa Pagnattaro

PROPOSAL FOR AN AREA OF EMPHASIS

Date: March 19, 2024

School/College: Terry College of Business

Department/Division: Management Information Systems

Program (Major and Degree): Management Information Systems (B.B.A.) and
Management Information Systems and International Business (B.B.A.)

Area of Emphasis Title: Cloud Computing

CIP: 11040101

Which campus(es) will offer this program? Athens

Proposed Effective Date: Fall 2025

1. Area of Emphasis Description:

The Area of Emphasis in Cloud Computing will allow students to gain in-depth knowledge about cloud computing, including its advantages and disadvantages and how to design and deploy services and applications in the cloud. Students in the Area of Emphasis in Cloud Computing will learn about business and technical fundamentals of cloud computing, data management and application development in the cloud, cloud architecture, and other cloud concepts.

2. Major Requirements:

The Area of Emphasis requires the completion of 12 credit hours in the following courses with a minimum grade of B- (2.7) in each course.

MIST 4610, Data Management and Analytics (3 hours)

MIST 4630, Developing Secure Applications in the Cloud (3 hours)

Choose two courses from the following:

MIST 4800, Management Information Systems Internship or Cooperative Education (3 hours)

MIST 5640, IT Infrastructure (3 hours)

MIST 5757/7757, Data Engineering (3 hours)

Other courses may be accepted with permission of department.

Management Information Systems - B.B.A.

Area VI

[ACCT 2101](#)

[ACCT 2102](#)

[ECON 2105](#)

[ECON 2106](#)

[LEGL 2700](#)

[MIST 2090](#)

If any of the courses in Area VI have been used to satisfy Areas II-V of the Core Curriculum, General Electives may be taken here. Refer to College-wide requirements when selecting General Electives.

Required Courses (36 hours)

Terry Foundations First Core (15 hours)

[BUSN 3000](#)

[BUSN 4000](#)

[FINA 3000](#)

[MARK 3000](#)

[MGMT 3000](#)

MIST Major Required Courses (15 hours)

Courses must be satisfied with a grade of "C" (2.0) or higher.

[MIST 4600](#)*

[MIST 4610](#)

[MIST 5740S](#)

[MIST 5750](#)

Choose one of the following courses. The courses not selected may count as a Major Related Course below:

[MIST 4620S](#)

[MIST 4630](#)

[MIST 5640](#)

*Students who have completed [CSCI 1301-1301L](#) and [CSCI 1302](#) with a grade of "C" (2.0) or higher are eligible to receive an exemption for [MIST 4600](#).

Students who have only completed [CSCI 1301-1301L](#) with a grade of "C" (2.0) or higher are eligible to request an exemption for [MIST 4600](#) pending satisfactory performance on an examination covering the material from this course. Students considering taking this examination shall make the request to the MIS Department Head at least four weeks prior to the beginning of the semester in which they plan to take classes that have [MIST 4600](#) as prerequisite. Students who receive an exemption for [MIST 4600](#) must take an additional [MIST](#) prefix course from the list of "Major Related" course options appearing below.

MIST Major Related Courses (6 hours)

Courses must be satisfied with a grade of "C" (2.0) or higher.

Choose two courses (6 hours) from the following:

[BUSN 4400](#)

[MIST 4550/6550](#)

[MIST 4605](#)

[MIST 4620S](#)

[MIST 4630](#)

[MIST 4700](#)

[MIST 5440/7440](#)

[MIST 5600](#)

[MIST 5620](#) or [MIST 7700](#)

[MIST 5635/7635](#)

[MIST 5640](#)

[MIST 5670](#)

[MIST 5720](#)

[MIST 5730](#) or [MIST 6380](#)

[MIST 5757/7757](#)

[MIST 5770](#)

[MIST 5775/7775](#)

[MIST 5780](#)

[MIST 5785](#)

[MIST 5790](#)

OPTIONAL

Area of Emphasis in Cloud Computing (12 hours)

In addition to fulfilling the requirements of the BBA MIST major, students may specialize in the Cloud Computing Area of Emphasis. The courses listed below satisfy both requirements for the major and the requirements for the Area of Emphasis.

The Area of Emphasis will recognize the completion of 12 credit hours in the following courses with a minimum grade of B- (2.7) in each course.

Required Courses:

MIST 4610

MIST 4630

Choose two courses from the following:

MIST 4800

MIST 5640

MIST 5757/7757

Other courses may be accepted, but permission of department must be obtained.

OPTIONAL

Area of Emphasis in Data Analytics (12 hours)

In addition to fulfilling the requirements of the BBA MIST major, students may specialize in the Data Analytics Area of Emphasis. The courses listed below satisfy both requirements for the major and the requirements for the Area of Emphasis.

The Area of Emphasis (AE) will recognize the completion of 12 credit hours in the following courses with a minimum grade of B- (2.7) in each course.

Required Course:

[MIST 4610](#)

Choose three courses from the following:

[MIST 4550/6550](#)

[MIST 4801](#)

[MIST 5620](#) or [MIST 7770](#)

[MIST 5635/7635](#)

[MIST 5730](#) or [MIST 6380](#)

[MIST 5757/7757](#)

[MIST 5775/7775](#)

Other courses may be accepted, but permission of department must be obtained.

Completion of these requirements will result in recognition on the student's official transcript of an Area of Emphasis in Data Analytics.

OPTIONAL

Area of Emphasis in Information Security (12 hours)

In addition to fulfilling the requirements of the BBA MIST major, students may specialize in the Information Security Area of Emphasis. The courses listed below satisfy both requirements for the major and the requirements for the Area of Emphasis.

The Area of Emphasis will recognize the completion of 12 credit hours in the following courses with a minimum grade of B- (2.7) in each course.

Required Course:

[MIST 4630](#)

Choose three courses from the following:

[MIST 4700](#)

[MIST 4802](#)

[MIST 5640](#)

[MIST 5770](#)

[MIST 5775/7775](#)

[MIST 5785](#)

Other courses may be accepted, but permission of department must be obtained.

Completion of these requirements will result in recognition on the student's official transcript of an Area of Emphasis in Information Security.

OPTIONAL

Area of Emphasis in Business Analytics (12 hours)

In addition to fulfilling the requirements of the BBA Management Information Systems major, students may specialize in the Business Analytics Area of Emphasis. The courses listed below satisfy both requirements for the major and the requirements for the Area of Emphasis.

The Area of Emphasis will recognize the completion of 12 credit hours in the following courses with a minimum grade of C (2.0) or S in each course.

Required Courses:

[BUSN 3000](#)

[BUSN 4000](#)

[BUSN 5000](#) (this course will count as an Upper Division General Elective)

Note: [BUSN 4000](#) and [BUSN 5000](#) must be taken at UGA and completed with an average grade of 3.0

Additional Required Courses (3 hours):

Choose two courses from the following options (these courses will count as Upper Division General Electives):

[BUSN 3020E](#)

[BUSN 3030E](#)

[BUSN 3040E](#)

[BUSN 4030E](#) ([BUSN 3030E](#) is a prerequisite/corequisite)

[BUSN 4040E](#) ([BUSN 3040E](#) is a prerequisite/corequisite)

Completion of these requirements will result in recognition on the student's official transcript of an Area of Emphasis in Business Analytics.

General Electives (24 hours)

Upper Division General Electives (12 hours)

Twelve hours are required.

Choose any 3000-level or above Terry College prefix course(s)* outside the Management Information Systems ([MIST](#)) prefix (exceptions: [MIST 4800](#), [MIST 4801](#), [MIST 4802](#), or [MIST 4803](#) may satisfy 3 hours of this requirement and a maximum of two courses (6 hours) of [MIST](#) prefix courses may be used with permission of the major advisor. Students may also transfer any 3000-level or above business prefix course(s), other than [MIST](#), but a minimum of 3 hours must be satisfied with a Terry College prefix course in residence at UGA.

Students completing the Area of Emphasis in Business Analytics should select [BUSN 5000](#) and two of the following courses: [BUSN 3020E](#), [BUSN 3030E](#), [BUSN 3040E](#), [BUSN 4030E](#), or [BUSN 4040E](#).

In addition, students may also choose any 3000-level or above course(s) other than a Terry College prefix.

*Terry College prefixes

include [ACCT](#), [BUSN](#), [ECON](#), [ENTR](#), [FINA](#), [ILAD](#), [INTB](#), [LEGL](#), [MARK](#), [MBUS](#), [MGMT](#), [MIST](#), [REAL](#), or [RMIN](#).

Arts and Sciences Electives (12 hours)

Terry College majors are required to satisfy 12 hours (1000-5000 level) of Arts and Sciences Electives. Transfer coursework is accepted. Choose from the following prefixes:

[AFAM](#), [AFST](#), [AMHA](#), [ANTH](#), [ARAB](#), [ARED](#), [ARGD](#), [ARHI](#), [ARID](#), [ARST](#), [ARTI](#), [ARTS](#), [ASTR](#), [BCMB](#), [BENG](#), [BINF](#), [BIOL](#), [CBIO](#), [CHEM](#), [CHNS](#), [CLAS](#), [CMLT](#), [COMM](#), [CSCI](#), [DANC](#), [ECON](#), [ECOL](#), [EMUS](#), [ENGL](#), [ENTO](#), [FANR](#), [FCID](#), [FHCE](#), [FILM](#), [FREN](#), [FRES](#), [FYOS](#), [GENE](#), [GEOG](#), [GEOL](#), [GPST](#), [GREK](#), [GRMN](#), [HEBR](#), [HIST](#), [HNDI](#), [HONS](#), [INDO](#), [INTS](#), [ITAL](#), [INTL](#), [JPNS](#), [KREN](#), [LACS](#), [LATN](#), [LING](#), [MARS](#), [MATH](#), [MIBO](#), [MNML](#), [MUSI](#), [NAMS](#), [NMIX](#), [PADP](#), [PASH](#), [P BIO](#), [PERS](#), [PHIL](#), [PHYS](#), [POLS](#), [PORT](#), [PSYC](#), [PTSP](#),

[RELI](#), [ROML](#), [RUSS](#), [SEMI](#), [SCAN](#), [SLAV](#), [SOC1](#), [SPAN](#), [STAT](#), [SWAH](#), [THEA](#), [TURK](#), [URDU](#), [VIET](#), [WMST](#), [YORB](#), [ZULU](#).

Additional courses that count as Arts and Sciences electives: [AIRS 2001](#), [AIRS 2001L](#), [AIRS 2002](#), [AIRS 2002L](#), [AIRS 3001](#), [AIRS 3001L](#), [AIRS 3002](#), [AIRS 3002L](#), [AIRS 4001](#), [AIRS 4001L](#), [AIRS 4002](#), [AIRS 4002L](#), [MILS 3010](#), [MILS 3010L](#), [MILS 3020](#), [MILS 3020L](#), [MILS 4010](#), [MILS 4010L](#), [MILS 4020](#), [MILS 4020L](#), [MILS 5010](#), [MILS 5020](#).

Management Information Systems and International Business Co-Major - B.B.A.

Area VI

[ACCT 2101](#)

[ACCT 2102](#)

[ECON 2105](#)

[ECON 2106](#)

[LEGL 2700](#)

[MIST 2090](#)

If any of the courses in Area IV have been used to satisfy Areas II-V of the Core Curriculum, General Electives may be taken here. Refer to College-wide requirements when selecting General Electives.

Required Courses (42 hours)

Terry Foundations First Core (15 hours)

[BUSN 3000](#)

[BUSN 4000](#)

[FINA 3000](#)

[MARK 3000](#)

[MGMT 3000](#)

Major Required Courses (27 hours)

Courses must be satisfied with a grade of "C" (2.0) or higher.

[ECON 4040](#)

[MGMT 5560](#)

[MIST 4600*](#)

[MIST 4610](#)

[MIST 5740S](#)

[MIST 5750](#)

Select one of the following courses:

(Note: The courses not selected may count as a Major-Related Course below.)

[MIST 4620S](#)

[MIST 4630](#)

[MIST 5640](#)

*Students who have completed [CSCI 1301-1301L](#) and [CSCI 1302](#) with a grade of "C" (2.0) or higher are eligible to receive an exemption for [MIST 4600](#).

Students who have only completed [CSCI 1301-1301L](#) (with a grade of "C" (2.0) or higher) are eligible to request an exemption for [MIST 4600](#) pending satisfactory performance on an examination covering the material from this course. Students considering taking this examination shall make the request to the MIS Department Head at least four weeks prior to the beginning of the semester in which they plan to take classes that have [MIST 4600](#) as prerequisite.

Students who receive an exemption for [MIST 4600](#) must take an additional [MIST](#) prefix course from the list of "Major Related" course options appearing below.

Major-Related Courses

Select two courses (6 hours) from the following:

[BUSN 4400](#)

[MIST 4550/6550](#)

[MIST 4605](#)

[MIST 4620S](#)

[MIST 4630](#)

[MIST 4700](#)

[MIST 5440/7440](#)

[MIST 5600](#)

[MIST 5620](#)

[MIST 5635/7635](#)

[MIST 5640](#)

[MIST 5670](#)

[MIST 5720](#)

[MIST 5730](#)

[MIST 5757/7757](#)

[MIST 5770](#)

[MIST 5775/7775](#)

[MIST 5780](#)

[MIST 5785](#)

[MIST 5790](#)

Major Electives (3 hours)

See UGA Bulletin for prerequisites.

Courses must be satisfied with a grade of "C" (2.0) or higher. Select one of the 3 hour courses listed below or take any upper division (3000-level or higher) course with a Terry prefix earned through an approved UGA study abroad program:

[ACCT 4900](#)

[BUSN 4650](#)

[FINA 4810/6810](#)

[INTB 4800](#) or [INTB 5100/7100](#)
[LEGL 4900/6900](#)
[MARK 4700](#)
[MIST 5780](#)

General Electives (3-15 hours)

Upper Division General Electives (3 hours)

One (3-hour) course required. Choose an 3000-level or above Terry College prefix course(s)* outside the Management Information Systems ([MIST](#)) prefix (exceptions [MIST 4800](#), [MIST 4801](#), [MIST 4802](#), or [MIST 4803](#)) may satisfy 3 hours of this requirement. Also [MIST 5600](#) or [MIST 5620](#) or [MIST 5780](#) may be used in Upper Division General Electives if not used as a [MIST](#) Major Related course. Students may also transfer any 3000-level or above business prefix course(s), other than [MIST](#).

In addition, students may also choose any 3000-level or above course(s) other than a Terry College prefix.

*Terry College prefixes include [ACCT](#), [BUSN](#), [ECON](#), [ENTR](#), [FINA](#), [ILAD](#), [INTB](#), [LEGL](#), [MARK](#), [MBUS](#), [MGMT](#), [MIST](#), [REAL](#), or [RMIN](#).

Foreign Language requirement: Proficiency to the conversation level (3000-level)*

The following languages are offered through the 3000 level. All prerequisites must be completed before taking a 3000-level course.

[ARAB 3005](#)
[CHNS 3010](#)
[FREN 3010](#)
[FREN 3010H](#)
[GRMN 3010](#)
[ITAL 3010](#)
[JPNS 3010](#)
[KREN 3001](#)
[PORT 3010](#)
[RUSS 3001](#)
[SPAN 3010](#)
[SPAN 3010H](#)
[VIET 3001](#)
[YORB 3001](#)

International Immersion Requirement*

Students must complete one of the following:

- Approved Study Abroad Program
- Two additional foreign language courses (in the student's chosen language) beyond the conversation level
- An internship with an international component
 - [INTB 4800](#)
 - Or any Terry prefix internship course, including [ACCT 5800](#), [BUSN 4800](#), [ECON 4800](#), [ENTR 4800](#), [FINA 4800](#), MARK 4800, [MBUS 4800](#), [MGMT 4800](#), [MIST 4800](#), [REAL 4800](#), or [RMIN 4800](#), but only if the internship is completed abroad or approved by the International Business Program.

*If the International Immersion and Foreign Language requirements have been satisfied, general electives may be taken here.

OPTIONAL

Area of Emphasis in Cloud Computing (12 hours)

In addition to fulfilling the requirements of the BBA MIST major, students may specialize in the Cloud Computing Area of Emphasis. The courses listed below satisfy both requirements for the major and the requirements for the Area of Emphasis.

The Area of Emphasis will recognize the completion of 12 credit hours in the following courses with a minimum grade of B- (2.7) in each course.

Required Courses:

[MIST 4610](#)

[MIST 4630](#)

Choose two courses from the following:

[MIST 4800](#)

[MIST 5640](#)

[MIST 5757/7757](#)

Other courses may be accepted, but permission of department must be obtained.

OPTIONAL

Area of Emphasis in Data Analytics (12 hours)

In addition to fulfilling the requirements of the BBA MIST major, students may specialize in the Data Analytics Area of Emphasis. The courses listed below satisfy both requirements for the major and the requirements for the Area of Emphasis.

The Area of Emphasis (AE) will recognize the completion of 12 credit hours in the following courses with a

minimum grade of B- (B minus) in each course.

Required course:

[MIST 4610](#)

Additional Required Courses (3):

Choose three courses from the following:

[MIST 4550/6550](#)

[MIST 4801](#)

[MIST 5620](#)

[MIST 5635/7635](#)

[MIST 5730](#)

[MIST 5757/7757](#)

[MIST 5775/7775](#)

** Adding this Area of Emphasis may require additional hours to graduate.

Other courses may be accepted, but permission of department must be obtained.

Completion of these requirements will result in recognition on the student's official transcript of an Area of Emphasis in Data Analytics.

OPTIONAL

Area of Emphasis in Information Security (12 hours)

In addition to fulfilling the requirements of the BBA MIST major, students may specialize in the Information Security Area of Emphasis. The courses listed below satisfy both requirements for the major and the requirements for the Area of Emphasis.

The Area of Emphasis (AE) will recognize the completion of 12 credit hours in the following courses with a minimum grade of B- (B minus) in each course.

Required Course:

[MIST 4630](#)

Additional Required Courses (3):

Choose three courses from the following:

[MIST 4700](#)

[MIST 4802](#)

[MIST 5640](#)

[MIST 5770](#)

[MIST 5775/7775](#)

[MIST 5785](#)

Other courses may be accepted, but permission of the department must be obtained.

**Adding this Area of Emphasis may require additional hours to graduate.

Completion of these requirements will result in recognition on the student's official transcript of an Area of Emphasis in Information Security.

Documentation of Approval and Notification

Proposal: Area of Emphasis in Cloud Computing under Management Information Systems (B.B.A.) and Management Information Systems and International Business (B.B.A.)

College: Terry College of Business

Departments: Management Information Systems

Proposed Effective Term: Fall 2025

School/College:

- Management Information Systems Department Head, Dr. Gerald Kane, 3/19/24
- Terry College of Business Associate Dean, Dr. Henry Munneke, 3/19/24