

Proposal to Revise the Management Information Systems (MIS) Major

The MIS faculty propose the following revisions of the MIS major:

- Eliminate the three concentrations in the major and
- Offer one curriculum for the major composed of :
 - a core of four courses plus
 - four electives from a list of approved electives.

Rationale

The current MIS major, a modification of the previous computer information systems major, became effective in fall 2007. The number of declared MIS majors has remained stable since fall 2008 with a modest increase in fall 2011:

- FA08: 105 majors
- FA09: 105 majors
- FA10: 107 majors
- FA11: 116 majors

Enrollment in the concentrations has been relatively evenly divided among the concentrations, with a slightly larger proportion of the majors selecting the general concentration. Since fall 2008, 37.5% of the majors graduation with the general MIS concentration; 33% in the network technologies concentration, and about 29% in the programming concentration.

With three concentrations, many classes must be offered almost every semester to allow MIS majors to graduate in a timely manner. Eliminating the concentrations will enable the MIS discipline use its resources more effectively while providing a curriculum that better meets student needs. This change further will allow greater flexibility in offering courses that anticipate and respond to changes in technology, market demand, and student demand. With current faculty resources, however, it is difficult to staff all of these major classes as well as two business core management information systems courses required by all business majors. In light of upcoming retirements, modifications are needed to ensure that classes that are promised to students will be available. Moreover, a general MIS curriculum is consistent with programs offered by other universities. School of Business academic advisors will be able to assist MIS majors in selecting appropriate electives.

The proposed revision adds a programming course to the MIS core to ensure that all MIS students have background in programming. The revision further uses only one list of approved electives combining the two different groups used under the current structure. To ensure that all students take electives that are focused on MIS, one management elective, study abroad, and one less technical MIS course were deleted from the list of electives. To be consistent with other School of Business majors, calculation of the MIS major GPA was revised to include major electives with the MGT prefix.

Effective: Fall 2012

Approved by School of Business Curriculum Committee: April 10, 2012

Approved by Lumpkin College Business and Applied Studies: April 18, 2012

Approved by Council on Academic Affairs:

Management Information Systems (B.S.B.)

Major

The Management Information Systems (MIS) major prepares students to design, develop, and manage information systems within organizations. MIS majors develop a foundation of business knowledge and skills that is complemented by more in-depth study of information technology. All MIS majors complete a core of courses that provide a foundation in programming constructs, information systems theory, systems analysis, database, and telecommunications and also select electives for more specialized study.

The BSB in Management Information Systems comprises:

1. 43 semester hours in general education;
2. 38 semester hours in the business core;
3. 24 semester hours in major courses and
4. 15 semester hours in electives.

Major Courses

MIS majors complete the following MIS core:

- [MIS 2000 - Information Systems Careers and Logic Skills](#). Credits: 3
- [MIS 3200 - Networking Fundamentals](#). Credits: 3
- [MIS 4200 - Systems and Database Analysis, Design, and Development](#). Credits: 3

Plus one of the following concentrations:

General MIS Concentration.

Students who select the General MIS Concentration must complete 5 courses from the MIS Major Electives (below). At least 3 of the courses must be selected from Group A and at least 4 of the courses must have the MIS prefix.

Business Programming Concentration.

Students who select the Business Programming Concentration must complete the following courses plus one elective from either Group A or Group B of MIS Major Electives:

- [MIS 3300 - Business Programming in COBOL](#). Credits: 3
- [MIS 3330 - Java Programming](#). Credits: 3
- [MIS 4300 - File Organization with COBOL](#). Credits: 3
- [MIS 4330 - Advanced Java Programming](#). Credits: 3

Network Technologies Concentration.

Students who select the Network Technologies Concentration must complete the following courses plus one elective from either Group A or Group B of MIS Major Electives:

- [MIS 3530 - Business Web Site Design](#). Credits: 3
- [MIS 4530 - Web Application Development](#). Credits: 3
- [MIS 4700 - Advanced Networking](#). Credits: 3
- [MIS 4850 - Systems Security](#). Credits: 3

Group A MIS Major Electives

- [MIS 3300 - Business Programming in COBOL](#). Credits: 3
- [MIS 3330 - Java Programming](#). Credits: 3
- [MIS 3530 - Business Web Site Design](#). Credits: 3
- [MIS 4300 - File Organization with COBOL](#). Credits: 3

- [MIS 4330 - Advanced Java Programming.](#) Credits: 3
- [MIS 4530 - Web Application Development](#) Credits: 3
- [MIS 4700 - Advanced Networking.](#) Credits: 3
- [MIS 4850 - Systems Security.](#) Credits: 3

Group B MIS Major Electives

- [AET 3153 - Advanced Routing and Switching.](#) Credits: 3
- [MAT 3670 - Principles of Computer Systems.](#) Credits: 3
- [MAT 3870 - Data Structures.](#) Credits: 3
- [MGT 3830 - Managerial Communications.](#) Credits: 3
- [MGT 4800 - Management of Innovation and Technology.](#) Credits: 3
- [MGT 4850 - Project Management.](#) Credits: 3
- [MIS 3355 - MVS Control Languages and Utilities.](#) Credits: 3
- [MIS 3505 - Advanced Microcomputer Applications and Development.](#) Credits: 3
- [MIS 3515 - Information Presentation.](#) Credits: 3
- [MIS 3725 - Telecommunications Programming with Visual Basic.](#) Credits: 3
- [MIS 3970 - Study Abroad.](#) Credits: 1 to 15
- [MIS 4275 - Internship in Management Information Systems.](#) Credits: 1 to 12
- [MIS 4600 - Special Topics in Management Information Systems.](#) Credits: 1 to 3
- [MIS 4740 - Independent Study.](#) Credits: 1 to 3

Footnotes:

Calculation of the major GPA is based on courses taken at EIU with the prefix BUS and MIS.

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Management Information Systems (B.S.B.)

Major

The Management Information Systems (MIS) major prepares students to design, develop, and manage information systems within organizations. MIS majors develop a foundation of business knowledge and skills that is complemented by more in-depth study of information systems. All majors complete the MIS core and four MIS major electives.

The BSB in Management Information Systems comprises:

1. 43 semester hours in general education;
2. 38 semester hours in the business core;
3. 24 semester hours in major courses and major electives; and
4. 15 semester hours in electives

Major Courses

MIS majors complete the following MIS core:

- [MIS 2000 - Information Systems Careers and Logic Skills](#). Credits: 3
- [MIS 3200 - Networking Fundamentals](#). Credits: 3
- MIS 3300 (Business Programming in COBOL) OR MIS 3330 (Java Programming) OR MIS 4530 (Web Application Development). Credits: 3
- [MIS 4200 - Systems and Database Analysis, Design, and Development](#). Credits: 3

Plus four courses (12 credits) selected from MIS Major Electives. At least three of the courses (9 credits) must have the MIS prefix. A maximum of three credits of MIS 4275 may be applied as an MIS major elective.

MIS Major Electives

- [MIS 3300 - Business Programming in COBOL](#). Credits: 3
- [MIS 3330 - Java Programming](#). Credits: 3
- [MIS 3355 - MVS Control Languages and Utilities](#). Credits: 3
- [MIS 3505 - Advanced Microcomputer Applications and Development](#). Credits: 3
- [MIS 3530 - Business Web Site Design](#). Credits: 3
- [MIS 3725 - Telecommunications Programming with Visual Basic](#). Credits: 3
- [MIS 4275 - Internship in Management Information Systems](#). Credits: 1 to 12
- [MIS 4300 - File Organization with COBOL](#). Credits: 3
- [MIS 4330 - Advanced Java Programming](#). Credits: 3
- [MIS 4530 - Web Application Development](#). Credits: 3
- [MIS 4600 - Special Topics in Management Information Systems](#). Credits: 1 to 3
- [MIS 4700 - Advanced Networking](#). Credits: 3
- [MIS 4740 - Independent Study](#). Credits: 1 to 3
- [MIS 4850 - Systems Security](#). Credits: 3
- [AET 3153 - Advanced Routing and Switching](#). Credits: 3
- [MAT 3670 - Principles of Computer Systems](#). Credits: 3
- [MAT 3870 - Data Structures](#). Credits: 3
- [MGT 3830 - Managerial Communications](#). Credits: 3
- [MGT 4850 - Project Management](#). Credits: 3

Footnotes:

Calculation of the major GPA is based on courses taken at EIU with the prefix BUS and MIS and approved MIS major elective courses with the prefix MGT.