

Faculty Senate Curriculum Committee

Approval Form

Proposal Title: Specialization in Management Information Systems

Sponsor(s): Daniel Davis Dept.: School of Business Admin. Diane Hamilton

Check one: [ ] Course [x] Specialization [ ] Concentration [ ] Achievement Certificate [ ] Certification Program [ ] Major Program [ ] Minor Change (please name: deletion or credit/title/catalog change)

[x] Undergraduate [ ] Graduate Credit Hours

Step 1 (Department) [x] Approved 11/14/85 Date [ ] Not Approved [ ] Reviewed Dept. CC Chairperson Chairperson, Dept.

Step 2 (Receipt) SCC# 85-86-33 Proposal Received 11/15/85 Date Brenda A. Bolay Chairperson, SCC

Step 3 (School CC) Reviewed 11/14/85 Date [x] Approved [ ] Not Approved Comments: Chairperson, School Curr. Comm.

Step 4 (Academic Dean) Comments: Reviewed Date Signature, Dean of School

Step 5 (SCC) Open Hearing Date [x] Approved by Senate Curriculum Committee Date [ ] Returned to sponsor(s) for the following reasons:

Step 6 (Faculty Senate) Presented to Faculty Senate: Date [x] Approved [ ] Not Approved Notification to Vice-President Academic Affairs 2/3/86 Date Brenda A. Bolay Signature, SCC Chairperson

**Step 7 (Vice-President for Academic Affairs)**

Received 2/13/86  
Date

Approved  Yes  No

If no, reasons are as follows:

Student credit hours NA  
Faculty load hours NA  
Equalized credit hours NA

} *NEW SPECIALIZATION*

Official copy and approval sheet filed \_\_\_\_\_  
Date

Signature *Adrian Tinsley*  
Vice-President for Academic Affairs

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**Registrar**

Approved course description received \_\_\_\_\_  
Date

Hegis Taxonomy and Course Number assigned \_\_\_\_\_

Signature \_\_\_\_\_  
Registrar Date

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Notification forwarded: Senate Curriculum Committee Chairperson, Department Chairperson(s), Academic Dean(s), Registrar, Sponsor(s).

*TRANSMITTAL 4/15/86*

MANAGEMENT INFORMATION SYSTEMS  
PROPOSAL FOR CHANGE IN SPECIALIZATION

1. DETAILS

A. Title of the Proposal:

Specialization in Management Information Systems

B. Sponsors:

Daniel Davis and Diane Hamilton  
School of Business Administration

C. Scope or Size of the Program:

This program will affect all Business Administration students who are majoring in Management Information Systems. The current program graduates approximately 75 students per year. The demand in this field is growing, therefore we would anticipate the number of enrollees to increase over the next few years.

D. Relationship to curriculum:

All courses indicated by the specialization are in addition to the general education and business core requirements.

E. Prerequisites or eligibility:

Any student accepted by the School of Business Administration and in good academic standing is eligible to elect Management Information Systems as his/her specialization.

F. Suggested time and scale of implementation:

The School of Business Administration is undergoing some major changes in anticipation of an accreditation visit by the American Assembly of Collegiate Schools of Business. The bulk of these changes will take effect in the Fall semester of 1986. These changes would most efficiently be made at the same time.

G. Resource requirements:

The present faculty and microcomputer laboratory are sufficient to handle the curricular changes recommended herein.

2. RATIONALE

Our present MIS curriculum, although generally in keeping with the models prescribed by the ACM (Association of Computing Machinery) and DPMA (Data Processing Management Association) could be made a bit more effective by adding a seminar course to tie the specialization material together and also changing the directed electives to courses of a more advanced and pertinent nature. The field of MIS is a constantly changing one -- the schools which are able to update their curriculum models when necessary should be able to attract superior students and enjoy a good reputation. These characteristics can only help in our pursuit of AACSB accreditation.

3. ESSENCE OF THE SPECIALIZATION

A. Major goals of the program:

In accordance with DPMA, the primary objective of the Management Information Systems specialization is "to provide graduates with the knowledge, abilities, and attitudes to function effectively as information resource specialists and with the educational background and desire for lifelong professional development."

B. Specific objectives of the program

In accord with the Data Processing Management Association the "Specific curriculum objectives that contribute to this overall objective are:

1. to provide understanding of the goals, functions,

and operations of business organizations

2. to provide understanding of the information needs and the role of information systems in these organizations

3. to provide the analytical and technical skills for identifying, studying, and solving information problems within organizations

4. to provide communications and human relations skills for effective interaction with organization members, especially with the users and developers of information systems

5. to provide knowledge and ability for effective management in information systems projects

6. to instill a professional attitude and seriousness of purpose about Computer Information Systems as a career field

7. to provide the background for further study of and professional advancement in the field of Computer Information Systems"

#### C-1. Structure (Present)

All MIS students are required to take the following five courses (15 credits total):

Principles of System  
Programming in COBOL  
Organizational Change and Development  
Advanced Systems Design  
Design of Data Base Systems

Students must choose two courses or 6 semester hours from the following courses:

Organization and Systems Management  
Computers and Programming  
Programming Languages  
Management of Personnel  
Industrial Management I  
Supervised Internship (6sh)

In addition students choose two courses or 6sh from any other business area or business related discipline as approved by an advisor.

C-2. Structure (proposed)

All MIS students will be required to take the following seven courses (21 credits total):

Principles of System Design  
Decision Support Systems  
Design of Data Base Systems  
Structured Programming in COBOL  
Seminar in Management Information Systems  
Organizational Change and Development  
Statistics II

There will be two sets of directed electives. Each MIS major must opt for one course from Category A and one course from Category B (6 credits total):

Category A:      Managerial Finance  
                  Cost Accounting I  
                  Principles of Management Science

Category B:      Advanced Programming in COBOL  
                  Structured Programming in PASCAL  
                  Data Structures & Algorithms\*  
                  Programming Languages\*

In addition students choose one course or 3sh from any business discipline or business related area as approved by an advisor.

\*Prerequisites are required for these courses and they must be taken as free electives.

D. Administration

The added Seminar in Management Information Systems course, can be handled by the current MIS faculty. Decision Support Systems is, in effect, a renaming of the current Advanced Systems Design course. The directed electives do include a few new suggestions namely Statistics II, Cost Accounting I, Advanced COBOL Programming and Structured Programming in PASCAL.

4. RESULTS OF CONSULTATION

A. A written consultation was requested of the

Mathematics/Computer Science Department as well as representatives from the faculty of the Accounting/Finance Department and the Marketing Department.

The response from Mathematics/Computer Science was extremely favorable and their memo is attached hereto.

This proposal has been approved by the Business School faculty.

## 5. NEW COURSES

Included with this proposal are New Course Proposals for the Seminar in Management Information Systems and Decision Support Systems.



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M E M O R A N D U M

DATE: February 25, 1985  
TO: Diane Matteo and Dan Davis  
FROM: Fran Masar *DM*

Having discussed your proposal to change the MIS specialization so as to include STAT II, Adv. COBOL, and PASCAL, you have our support.

The courses are important ones, and the Department will schedule additional sections if need be.