

LSC Use Only No:	LSC Action-Date:	UWUCC USE Only No.	UWUCC Action-Date:	Senate Action Date:
		11-62	App - 4/3/12	App-4/17/12

**Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee**

Contact Person Micki Hyde	Email Address Micki.Hyde@iup.edu
Proposing Department/Unit MIS and Decision Sciences	Phone 724-357-2929

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

<b>1. Course Proposals (check all that apply)</b> <input type="checkbox"/> New Course <input type="checkbox"/> Course Prefix Change <input type="checkbox"/> Course Deletion <input type="checkbox"/> Course Revision <input type="checkbox"/> Course Number and/or Title Change <input type="checkbox"/> Catalog Description Change			
<hr/> <table border="0" style="width:100%"> <tr> <td style="width:50%"><u>Current</u> Course prefix, number and full title</td> <td style="width:50%"><u>Proposed</u> course prefix, number and full title, if changing</td> </tr> </table>		<u>Current</u> Course prefix, number and full title	<u>Proposed</u> course prefix, number and full title, if changing
<u>Current</u> Course prefix, number and full title	<u>Proposed</u> course prefix, number and full title, if changing		
<b>2. Additional Course Designations: check if appropriate</b> <input type="checkbox"/> This course is also proposed as a Liberal Studies Course. <input type="checkbox"/> Other: (e.g., Women's Studies, Pan-African) <input type="checkbox"/> This course is also proposed as an Honors College Course.			
<b>3. Program Proposals</b> <input type="checkbox"/> Catalog Description Change <input checked="" type="checkbox"/> Program Revision <input type="checkbox"/> New Degree Program <input type="checkbox"/> Program Title Change <input type="checkbox"/> Other <input type="checkbox"/> New Minor Program <input type="checkbox"/> New Track			
<hr/> <table border="0" style="width:100%"> <tr> <td style="width:50%"><u>Current</u> program name</td> <td style="width:50%"><u>Proposed</u> program name, if changing</td> </tr> </table>		<u>Current</u> program name	<u>Proposed</u> program name, if changing
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<b>4. Approvals</b>			
Department Curriculum Committee	Date		
Chair(s)	<i>Micki Hyde</i> 11-8-11		
Department Chair(s)	<i>Anker</i> NOV 8 / 2011		
College Curriculum Committee Chair	<i>C. J. ...</i> 11/14/2011		
College Dean	<i>Jim ...</i> 11/18/2011		
Director of Liberal Studies *			
Director of Honors College *			
Provost *	<i>Gene W. ...</i> 11/29/11		
Additional signatures as appropriate: (include title)			
UWUCC Co-Chairs	<i>Gail ...</i> 4/2/12		

\* where applicable

Received  
APR 2 2012  
Liberal Studies

Received  
NOV 18 2011  
Liberal Studies

**Part II. Description of Curriculum Change**

1. Catalog description for the revised program in the appropriate form. This includes both the decision about the program and the list of courses and credits for the revised program.

**Bachelor of Science-Management Information Systems**

**Liberal Studies:** As outlined in Liberal Studies section 49-50  
with the following specifications

**Mathematics:** MATH 115 (1)

**Social Sciences:** ECON 121, PSYC 101

**Liberal Studies electives:** 9cr, BTED/COSC/IFMG 101, ECON 122, MATH 214 (2)

**College:** 33

**Business core**

ACCT 201	Accounting Principles I	3 cr
ACCT 202	Accounting Principles II	3 cr
BLAW 235	Legal Environment of Business	3 cr
BTST 321	Business and Interpersonal Communications	3 cr
FIN 310	Fundamentals of Finance	3 cr
IFMG 300	Information Systems: Theory and Practice	3 cr
MGMT 310	Principles of Management	3 cr
MGMT 330	Production and Operations Management	3 cr
MGMT 495	Business Policy	3 cr
MKTG 320	Principles of Marketing	3 cr
QBUS 215	Business Statistics	3 cr

**Major: Management Information Systems**

**Required Courses:** 21-22

IFMG 210	Introduction to Front-End Business Applications	3 cr
IFMG 230	Introduction to Back-End Business Applications <b>or</b>	3 cr
COSC 220	Applied Computer Programming	4 cr
IFMG 250	Business Systems Technology	3 cr
IFMG/COSC 352	LAN Design and Installation	3 cr
IFMG 390	Data Base Theory and Practice	3 cr
IFMG 460	Analysis and Logical Design	3 cr
IFMG 475	Project Management and Implementation	3 cr

**Controlled Electives (3):** Any three courses from the following: 9

*Software Development:* COSC 110, 300, 304, 310, 344, 345, 362, IFMG 330  
*Networks and Cybersecurity:* COSC 316, CRIM 321, 323, COSC/IFMG 354, IFMG 368, 382, 480  
*Database and Decision Support:* IFMG 455, 465, QBUS 380, 401, 481  
*Special Topics, Internships, and Seminars:* IFMG 481, 485, 493

**Free Electives:** 6-8

**Total Degree Requirements:** 120

**(1)** MATH 115 or 121 or 123.

**(2)** MATH 214 or 216 or 217.

**(3)** A student may choose to fulfill all 9 credits of elective requirements through one or more internship(s).

2. Summary of changes:

a. Table comparing Current Program and Proposed Program

Current Program	Proposed Program
<b>Program/Track:</b> <u>B.S. Management Information Systems</u>	<b>Program/Track:</b> <u>B.S. Management Information Systems</u>
<b>Liberal Studies:</b> As outlined in Liberal Studies section With the following specifications: <b>Mathematics:</b> MATH 115 (1) <b>Social Sciences:</b> ECON 121, PSYC 101 <b>Liberal Studies electives:</b> 9cr, BTED/COSC/IFMG 101, ECON 122, MATH 214 (2)	<b>Liberal Studies:</b> As outlined in Liberal Studies section with the following specifications: <b>Mathematics:</b> MATH 115 (1) <b>Social Sciences:</b> ECON 121, PSYC 101 <b>Liberal Studies electives:</b> 9cr, BTED/COSC/IFMG 101, ECON 122, MATH 214 (2)
<b>College:</b> <b>33</b> <b>Business core</b> ACCT 201 Accounting Principles I ACCT 202 Accounting Principles II BLAW 235 Legal Environment of Business BTST 321 Business and Interpersonal Communications FIN 310 Fundamentals of Finance IFMG 300 Information Systems: Theory and Practice MGMT 310 Principles of Management MGMT 330 Production and Operations Management MGMT 495 Business Policy MKTG 320 Principles of Marketing QBUS 215 Business Statistics	<b>College:</b> <b>33</b> <b>Business core (all 3 cr)</b> ACCT 201 Accounting Principles I ACCT 202 Accounting Principles II BLAW 235 Legal Environment of Business BTST 321 Business and Interpersonal Communications FIN 310 Fundamentals of Finance IFMG 300 Information Systems: Theory and Practice MGMT 310 Principles of Management MGMT 330 Production and Operations Management MGMT 495 Business Policy MKTG 320 Principles of Marketing QBUS 215 Business Statistics
<b>Major: Management Information Systems</b> <b>Required Courses:</b> <b>21-22</b> IFMG 210 Introduction to Front-End Business Applications (3cr) IFMG 230 Introduction to Back-End Business Applications <b>or</b> (3cr) COSC 220 Applied Computer Programming (4cr) IFMG 250 Business Systems Technology (3cr) IFMG/COSC 352 LAN Design and Installation (3cr) IFMG 390 Data Base Theory and Practice (3cr) IFMG 460 Analysis and Logical Design (3cr) IFMG 475 Project Management and Implementation (3cr) <b>Controlled electives: (all 3 cr):</b> <b>6</b> Two courses from the following: <i>Software Development:</i> COSC 110, 300, 304, 310, 344, 345, 362, IFMG 330 <i>Networks and Cybersecurity:</i> COSC 316, CRIM 321, 323, COSC/IFMG 354, IFMG 368, 382, 480 <i>Database and Decision Support:</i> IFMG 455, 465, QBUS 380, 401, 481 <i>Special Topics, Internships, and Seminars:</i> IFMG 481, 485, 493	<b>Major: Management Information Systems</b> <b>Required Courses:</b> <b>21-22</b> IFMG 210 Introduction to Front-End Business Applications (3cr) IFMG 230 Introduction to Back-End Business Applications <b>or</b> (3cr) COSC 220 Applied Computer Programming (4cr) IFMG 250 Business Systems Technology (3cr) IFMG/COSC 352 LAN Design and Installation (3cr) IFMG 390 Data Base Theory and Practice (3cr) IFMG 460 Analysis and Logical Design (3cr) IFMG 475 Project Management and Implementation (3cr) <b>Controlled electives: (3)</b> <b>9</b> Two courses from the following: <i>Software Development:</i> COSC 110, 300, 304, 310, 344, 345, 362, IFMG 330 <i>Networks and Cybersecurity:</i> COSC 316, CRIM 321, 323, COSC/IFMG 354, IFMG 368, 382, 480 <i>Database and Decision Support:</i> IFMG 455, 465, QBUS 380, 401, 481 <i>Special Topics, Internships, and Seminars:</i> IFMG 481, 485, 493
<b>Free electives:</b> <b>4-5</b>	<b>Free electives:</b> <b>6-8</b>
<b>Total Degree Requirements:</b> <b>120</b>	<b>Total Degree Requirements:</b> <b>120</b>

<p>(*) <b>Distribution Requirement: All Eberly College of Business and Information Technology majors (except those majoring in Business Education) must take a minimum of 50 percent of their degree requirements (i.e., at least 60cr) in nonbusiness coursework.</b></p> <p>(1) <b>MATH 115 or 121 or 123.</b></p> <p>(2) <b>MATH 214 or 216 or 217.</b></p>	<p>(1) <b>MATH 115 or 121 or 123.</b></p> <p>(2) <b>MATH 214 or 216 or 217.</b></p> <p>(3) <b>A student may choose to fulfill all 9 credits of controlled elective requirements through one or more internship(s).</b></p>
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- b. List of all associated course changes (new or revised courses, number, title, or description changes, and deletions).

There are no new courses in these proposed changes.

Rationale for Change.

- c. The Controlled Electives have been increased from 6 credits to 9 credits. This revision gives the student greater flexibility in selecting those courses which would better prepare them for the various areas of the profession.
- d. The Free Electives section has been increased from 4-5 credits to 7-8 credits. This is to adjust for the proposed changes in the Liberal Studies section of the curriculum. Students will be encouraged to combine these 6-8 credits with the controlled electives to pursue a minor in another discipline.
- e. Since the accreditation body (AACSB) for the College of Business and Information Technology no longer requires that a minimum of 50 percent of their degree requirements be in non-business coursework, this provides the department with a great opportunity to enhance the coursework for the majors and better prepare them for the professional requirements.

**Part III. Implementation. Provide answers to the following questions:**

1. How will the proposed revision affect students already in the existing program?

The proposed revisions will have no effect on students already in the program.

2. Are faculty resources adequate? If you are not requesting or have not been authorized to hire additional faculty, demonstrate how this course will fit into the schedule(s) of current faculty.

We, as with most departments, are struggling with faculty resource allocations resulting from the current budgetary situation. However, these proposed revisions, since they do not involve additional coursework, will not adversely affect the existing situation.

3. Are other resources adequate? (Space, equipment, supplies, travel funds)

These program revisions and requirements should not place a greater strain on existing space limitations.

4. Do you expect an increase or decrease in the number of students as a result of these revisions? If so, how will the department adjust?

No increase or decrease in the number of students is expected as a result of these revisions.

#### **Part IV. Periodic Assessment**

Departments are responsible for an on-going review of curriculum. Include information about the department's plan for program evaluation:

1. Describe the evaluation plan. Include evaluation criteria. Specify how students input will be incorporated into the evaluation process.

Since this is simply a revision of an existing program (an increase in existing courses), the same due diligence regarding review and evaluation will continue. That is, the ECOBIT Business Advisory Council, the MIS/DS Advisory Council, other members of the management information system profession, and MIS/DS alumnae will be consulted regularly for review of our major program. This department, as all Business departments, follows the Assessment of Learning evaluation system implemented to meet all AACSB (Association to Advance Collegiate Schools of Business) requirements for assessing the courses' learning objectives. Also, the department follows the university's protocol for student evaluations, peer evaluations, chair evaluations, and 5-year evaluations. Therefore, we are evaluating instructors/professors, courses, course objectives, and the program on an on-going and continual basis to meet university, college, and AACSB requirements.

2. Specify the frequency of the evaluations.

External observations and evaluations from the Business Advisory Council occur at least once a year during our annual meetings. Faculty and student input/feedback are continuous. Because of the revisions to the requirements for candidacy and graduation, we will monitor enrollments, graduation rates, and student evaluations closely during the coming semesters.

3. Identify the evaluating entity.

All course, curriculum and program issues are handled by the MIS/DS Faculty Curriculum Committee with input from faculty, students, administration and professionals.

#### **Part V. Course Proposals**

Course proposals for any new courses added, revised, or deleted as a result of this program revision. A course analysis questionnaire and syllabus must be included for each course.

There are no new courses included in the proposal.

## **Part VI. Letters of Support or Acknowledgement**

Sign-off letters from interested or affected departments including a letter from the Liberal Studies Committee if appropriate.

The proposal will not affect other departments.