The University Senate of Michigan Technological University

Proposal 14-09
(Voting Units: Academic)

A Proposal for a Name Change in an Academic Program from "B. S. in Business Administration with a Concentration in Management Information Systems" to "B. S. in Management Information Systems"

1. Program Description

The proposed Management Information Systems B.S. degree to be offered by the School of Business and Economics (SBE) is a spin-off of the current Bachelor of Science Degree in Business Administration (BSBA) with a Management Information Systems *concentration*. The proposal is to award a B.S. with a *major* in Management Information Systems. The BSBA was initiated at Michigan Technological University on February 25, 1955. Graduates are prepared for careers in industry, consulting, nonprofit management, or government. The BSBA currently offers concentrations in six areas: Accounting, Finance, Management, Marketing, Management Information Systems and Operations and Systems Management. All students in the BSBA program take a common set of core courses. The curriculum develops strong quantitative and analytical skills which prepare students for the constantly changing demands of a technology-oriented society, as well as the teamwork, leadership and planning skills needed to excel in organizations. The curriculum offers a strong foundation in science, mathematics, humanities, social sciences, and computer science during the first two years, a comprehensive common core of business and economics courses during the third year, and a focused concentration in a field of business during the fourth year. We anticipated that having a Management Information Systems major will increase job placement rates at graduation.

2. Rationale

SBE graduates are currently labeled and marketed as having a degree (B.S.) with a major in business administration (BA), hence the BSBA degree. Thus, many of the SBE students who have a Management Information Systems concentration are unlikely to capture the attention of prospective employers. Having a B. S. degree with a major in Management Information Systems adds credibility and recognition to the B. S. degree and is consistent with other Michigan universities (Related Programs). We anticipate that having a Management Information Systems major will increase job placement rates at graduation.

3. Related Programs

Central Michigan University: Management Information Systems Major

Northern Michigan University: Business Computer Information Systems Major

Oakland University: Management Information Systems Major

University of Michigan- Ann Arbor: BBA Business Information Technology Concentration

University of Michigan- Dearborn: BBA MIS Concentration

Wayne State University: BBA Information Systems Management Major

Western Michigan University: Computer Information Systems Major

4. Projected Enrollment

Currently, we have 29 students seeking a Management Information Systems concentration. Adopting a Management Information Systems major should increase this number due to higher job placement rates.

5. Scheduling Plans

The Management Information Systems B.S. will be a regular on-campus program offering.

6. Curriculum Design

The Management Information Systems B.S. retains the curriculum design currently in place for the BSBA with a Management Information Systems concentration. Two GPAs will be calculated: a cumulative (overall) GPA and a School GPA consisting solely of Business Administration (BA) and Economics (EC) courses.

Required CORE Courses

BA 1100	Introduction to Business	3	
BA 1200	IS/IT Fundamentals	3	
BA 2110	Quantitative Problem Solving	3	
BA 2330	Accounting 1	3	
BA 2340	Accounting 2	3	
BA 2500	Business Law	3	
BA 2700	Business Problem Solving	3	
BA 3200	IS/IT Management	3	
BA 3400	Principles of Finance	3	
BA 3610	Operations Management	3	
BA 3700	Organizational Behavior	3	
BA 3800	Principles of Marketing	3	
BA 4700	Strategic Management	3	
EC 2001	Principles of Economics	3	
EC 3300	Industrial Organization		3
	Credit Total		**45**

Required Courses within major

BA 2200	Business Programming Concepts	3
BA 3210	Business Database Management	3
BA 3220	Systems Analysis and Design	3

BA 3250	Telecommunications	3
BA 4210	Advanced Information Systems	3
BA 4250	Information Systems Projects	3
HU 3120	Scientific and Technical Com	3
	Credit Total	**21**

Choose 3 of the following:

BA 2210	Business Programming Concepts	3
BA 3290	IS/IT Topics	3
BA 3320	Managerial/Cost Accounting I	3
BA 3600	Quality Management	3
BA 3620	Project Management	3
BA 3780	Entrepreneurship	3
BA 3900	Business Internship	1 - 4
BA 4950	CenTILE Project	1 - 6
BA 4310	Foundations of Taxation	3
BA 4360	Accounting Systems	3
BA 4400	Investment Analysis	3
BA 4410	Advanced Financial Management	3
BA 4480	Global Finance	3
BA 4490	Personal Financial Planning	3
BA 4600	Management of Technology and Innovation	3
BA 4620	Supply Chain Management	3
BA 4690	Systems Thinking and Dynamic Modeling	3
BA 4710	International Management	3
BA 4750	Managing Change in Organizations	3
BA 4770	Human Resource Management	3
BA 4800	Business Research	3
BA 4860	Buyer Behavior and E-Commerce	3
BA 4870	Advertising/Sales Promotion	3
BA 4880	Sales and Sales Management	3
	Credit Total	**9**

Choose one of the following:

CS 1121	Intro to Computer Science II	3
CS 1122	Intro to Computer Science II	3
CS 1131	Computer Science I	4
SAT 1610	Computer and OS Architecture	3
SAT 2343	Network Administration I	4
SAT 3343	Network Administration II	4
SAT 2511	MS System Administration I	4
SAT 3511	MS System Administration II	3
SAT 2711	Unix & Linux Administration II	4
SAT 3711	Unix & Linux Administration I	3
UN 3002	UG Cooperative Education Lab	2

Choose one of the following:

HU 2645	Graphic and Information Design	3
HU 2650	Introduction to Web-Site Design	3
HU 3642	Introduction to Multimedia Dev	3
HU 3840	Organizational Communication	3
HU 4628	Usability and Instructions Writing	3
HU 4642	Special Topics in Advanced Media Devmt	3
SS 3720	Social Psychology	3
	Credit Total	6

Mathematics requirements

(MA 1030, College Algebra I and MA 1031

College Algebra II with Trig, or MA 1032

Data, Functions, & Graphs Plus)	4-6

and

(MA 1135, Calculus for Life Sciences or MA 1160

Calculus with Technology I)	4

and

MA 2720	Statistical Methods	4
	Credit Total	12-14

Lab Science Requirement

BL / Biology , CH / Chemistry , FW / Forestry, GE / Geology , PH / Physics

Credit Total 3-4

General education requirements

UN 1001	Perspectives	3
UN 1002	World Cultures	4
UN 2001	Revisions	3
UN 2002	Institutions	3
EC 3100	International Economics	3
Humanities, Arts and Social Science Courses		12
	Credit Total	28

Free Electives 1-8

Total credits required 128.

7. New Course Descriptions

No new courses are being submitted as part of the proposed change.

8. Library and other Learning Resources

The support of the J. R. Van Pelt and John and Ruanne Opie Library is currently sufficient.

9. Computing Access Fee:

A basic computing access fee is paid by all SBE students and will continue under this major.

10. Faculty Resumes

School of Business and Economics faculty resumes are found at http://www.sbe.mtu.edu/cv/

11. Available Needed Equipment

All equipment required exists within the SBE labs and classrooms.

12. Program Costs

No new costs are expected because the proposed change is a spin-off of an existing degree.

13. Space

No new labs, classrooms or faculty space is required.

14. Polices, Regulations and Rules

None are required.

15. Accreditation Requirements

The BSBA is accredited by AACSB International. The process and criteria for maintaining accreditation is unaffected by the proposed change. The Management Information Systems, B. S. will be automatically accredited and subjected to periodic review by AACSB.

16. Internal Status of Proposal

Faculty School of Business and Economics,   date approved 3/20/2009

Dean School of Business and Economics,   date approved 3/20/2009

Provost,   date approved

University support units   date approved

University senate,   date approved

Academic Affairs Officers,   date approved

Board of Control   date approved

17. Planned Implementation date

Fall semester 2009.

Introduced to Senate: 01 April 2009
Adopted by Senate: 15 April 2009
Approved by Administration: 22 April 2009
Approved by BOC: 16 July 2009