



Proposal to the Senate Educational Policy Committee

PROPOSAL TITLE: Proposal to add the Graduate Concentration in Information Technology and Control in the Department of Business Administration

SPONSOR: Dilip Chhajed, Executive Director of Masters Programs, Department of Business Administration; Chhajed@illinois.edu; 217-333-3778

COLLEGE CONTACT: Dean Larry DeBrock, College of Business, via Rebecca Goben (265-5162; rgoben@illinois.edu) and Mary K. Lowry, Director, Academic Programs & Policy in the Graduate College (333-9391; lowry@illinois.edu)

BRIEF DESCRIPTION: The Department proposes to create a graduate concentration in Information Technology and Control that will consist of 12 hours of IS/IT related coursework that can be tailored for specific career goals of the students. Currently, the Department offers a graduate minor in Information Technology and Control. With the introduction of the proposed concentration, students from other graduate programs in the College of Business (see list of approved programs in Appendix A) will be able to earn a concentration in this area by selecting three courses from the list of courses below:

1. BADM 554- Enterprise Database Management
2. BADM 555- Information System Development and Management
3. BADM 556- Electronic Commerce
4. BADM 557- Decision Support and Knowledge Management
5. BADM 559-Enterprise IT Governance

Course substitutions may be approved by the Department after consultation with the IT Area faculty.

Prerequisites for the Concentration:

Successful completion of the concentration assumes certain knowledge of business and prior coursework. Students must be admitted to one of the approved programs given in Appendix A.

Expected Enrollment in the Concentration:

The Department expects enrollment to be approximately 25 students which would not require the opening of additional sections of the courses offered for the concentration.

Admission to the Concentration:

The student will complete the necessary Graduate Student Request Form to serve as the application form for the Graduate Concentration in Information Technology and Control. The Graduate Student Request Form will include approval from the student's academic advisor and the director of the graduate program to which the student is already admitted or enrolled. The Department's Executive Director of Masters Programs or designee will be responsible for overseeing the graduate concentration admission process.

Concentration Advisor:

The director of the program in which the student is enrolled, together with the Executive Director of the Masters Programs and the IS/IT Area Leader will inform and advise students in the proposed graduate concentration.

Certification of Successful Completion:

The Department will use the Graduate Student Request Form to certify successful completion of the concentration. The student and/or program will submit the Graduate Student Request Form to the Graduate College to have it added to their academic record.

JUSTIFICATION: IT and Control has been an emerging area of focus for accounting, financial services, and IT consulting companies. There are several reasons why IT and Control becomes important as a business practice:

1. The increasingly important role played by IT as an enterprise asset, and the need for managers to understand how to manage IT portfolios effectively while balancing the risks and business value that IT might bring;
2. The need to ensure the information security, integrity, and privacy of business transactions with respect to fellow employees, customers, and suppliers; and
3. The need to conduct business in compliance with regulatory requirements, typified by the Sarbanes-Oxley Act and various regulations for privacy protection, such as Gramm-Leach-Bliley Act (for protecting financial information privacy).

Because of these needs in accounting, financial services, IT consulting, and business IT management, business graduates with knowledge and skills related to the IT and control area, such as we plan to develop in the proposed concentration, have been in great demand.

To meet these needs, the proposed concentration in Information Technology and Control will focus on developing leaders in various business fields who understand (1) how to leverage information technology to create value for customers, external partners, and shareholders by designing better information systems to improve business processes and controls; and (2) how managers can assess the strategic, financial, and economic benefits and risks of investing in advanced information systems. The concentration will provide not only a strong foundation in the IS/IT area but could be tailored to fit the specific career needs of students.

We will retain the minor in Information Technology and Control. The minor is intended for students who have time to take additional coursework. The audience for the minor remains the same as reflected in the Programs of Study Catalog.

BUDGETARY AND STAFF IMPLICATIONS: For the initial years of the program, the Department expects no additional sections to be opened for the students in the concentration and thus no budgetary implications. If the demand for the concentration increases beyond our expectations, the Department will negotiate with the College of Business and the relevant departments to receive additional resources to accommodate the demand.

DESIRED EFFECTIVE DATE: August 2014

STATEMENT FOR PROGRAMS OF STUDY CATALOG:

Graduate Concentration in Information Technology and Control:


The concentration in Information Technology and Control is designed to develop leaders in various business fields who understand (1) how to leverage information technology to create value for customers, external partners, and shareholders by designing better information systems to improve business processes and controls; and (2) how managers can assess the strategic, financial, and economic benefits and risks of investing in advanced information systems. The concentration will provide a strong foundation in the IS/IT area and can be tailored to fit the specific career needs of students.

This concentration requires submission of twelve graduate hours of Information Technology and Control related coursework. Successful completion of the concentration assumes certain knowledge of business and prior coursework.

Admission to the concentration requires a Graduate Student Request Form submitted to the Department and Graduate College and admission to one of the programs approved for the concentration. Admission is limited, and acceptance is on a competitive basis.

CLEARANCES: (Clearances should include signatures and dates of approval. These signatures must appear on a separate sheet. If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.)

Signatures:



Unit Representative:

1/29/14

Date:



College Representative:

2/6/14

Date:



Graduate College Representative:

4/2/14

Date:

Council on Teacher Education Representative:

Date:

Appendix A:

List of Approved Programs and Letters of Support for Graduate Concentration in Information Technology and Control

1. Master of Science in Technology Management
2. Master of Business Administration
3. Master of Science in Accountancy
4. Master of Science in Finance
5. Master of Accounting Science

Appendix B

Courses Available to the IT&C Concentration:

BADM 554-Enterprise Database Management: This is an introductory course on database design and management. It will provide students with an opportunity to systematically study database design and management, both theoretically and through hands-on exercises and a course project. Topics include requirement analysis, data modeling, database logical and physical designs, and implementation. Specifically, the content of the class will cover the following primary areas: *Database Analysis:* conceptual data modeling. *Database Design:* logical and physical database design. *Database Implementation:* relational data model, with SQL and the basics of Microsoft Access.

BADM 555-Information System Development & Management: Addresses issues relevant to the development and management of large-scale information systems and how information systems are (need to be) integrated with business processes. Topics include: enterprise systems management, systems development life cycles, business value of software development investments, strategic systems selection, systems modeling using Unified Modeling Language (UML), and sourcing of software and information technology (e.g. through outsourcing).

BADM 556- Electronic Commerce: Graduate seminar in Electronic Commerce (EC), focusing on the integration of IT and business models. Topics include: (1) business-to-consumer EC; (2) business- to-business EC; (3) enterprise information management; (4) infrastructure development; (5) knowledge management; and (6) EC strategy.

BADM 557-Decision Support and Knowledge Management: This graduate level course examines emerging information technologies, in particular based on the Internet and mobile applications, to support management decisions. This course combines the technical, business and managerial aspects of developing advanced electronic business systems.

BADM 559-IT Governance: This course will cover three main areas: (1) IT governance strategy, including strategic mapping, IT portfolio management, and IT risks assessment; (2) IT control frameworks for organizing enterprise IT processes and defining management control objectives and measurements; and (3) Trustworthy information Management.

Appendix C:

Information Technology & Control		
	Minor	Concentration
Students allowed to enroll	Admission to the minor requires an application to the Department and admission to one of the M.S. programs in the College of Business or a graduate program in a related discipline approved by the Department	Students enrolled in the following programs: <ul style="list-style-type: none"> • MS in Technology Management • MBA (Full-Time & Part-Time) • MSA • MSF • MAS
Approved List of Courses	BADM 554- Enterprise Database Management BADM 555- Information System Development & Management BADM 556- Electronic Commerce BADM 557- Decision Support and Knowledge Management BADM 559- Enterprise IT Governance *Course substitutions may be approved by the Department after consultation with the IT area faculty.	BADM 554- Enterprise Database Management BADM 555- Information System Development & Management BADM 556- Electronic Commerce BADM 557- Decision Support and Knowledge Management BADM 559- Enterprise IT Governance *Course substitutions may be approved by the Department after consultation with the IT area faculty.

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

MS in Technology Management

College of Business
Department of Business Administration
15 Wohlers Hall, MC-706
1206 South Sixth Street
Champaign, IL 61820 USA



October 24, 2013

Mary Lowry
Director, Academic Programs and Policy
Graduate College
University of Illinois
222 Coble Hall
Champaign, IL 61820

Mary,

The MS Technology Management Program (MSTM) supports the introduction of a concentration in Information Technology and Control. We will allow qualified MSTM students who meet the MSTM Program requirements to enroll in the classes comprising the concentration and all credit hours earned by each student in those courses will be counted toward the MS Technology Management degree for that student.

Respectfully,

A handwritten signature in black ink that reads "Jeffrey M. Kurtz".

Jeffrey Kurtz
Interim Director
MS Technology Management Program
College of Business
University of Illinois
217-244-0694
jmkurtz@illinois.edu

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Illinois MBA
College of Business
3019 Business Instructional Facility
515 East Gregory Drive
Champaign, IL 61820



Nicholas C. Petruzzi
(217) 333-9578
petruzzi@illinois.edu

October 22, 2013

Professor Dilip Chhajed
Executive Director of Masters Programs
Department of Business Administration
University of Illinois at Urbana-Champaign
350 Wohlers Hall, 1206 S. 6th St.
Champaign, IL 61820

Dear Dilip,

I am writing to provide a letter in support of two proposed concentrations in Business Administration, namely the Concentration in Information Technology and Control and the Concentration in Corporate Governance and International Business. I expect there definitely to be some demand from the MBA for both concentrations each year; thus, I fully support the availability of both concentrations.

To confirm:

- Yes, the 12 credits required for the Concentration in Information Technology and Control would count as progress toward the MBA degree.
- Yes, the 12 credits required for the Concentration in Corporate Governance and International Business would count as progress toward the MBA degree.

Sincerely,

A handwritten signature in black ink, appearing to read 'N. Petruzzi', with a date '10/22/13' written below it.

Nicholas Petruzzi
Associate Professor of Business Administration and
Academic Director, MBA Programs

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Department of Accountancy
College of Business
360 Wohlers Hall
1206 South Sixth Street
Champaign, IL 61820



October 25, 2013

To Whom It May Concern | Graduate Concentrations Offered By the Department of Business Administration

This letter confirms that the Department of Accountancy will allow students in its Master of Accounting Science ("MAS") and Master of Science in Accountancy ("MSA") programs to enroll in the Graduate Concentration in Corporate Governance and International Business and the Graduate Concentration in Information Technology and Control offered by the Department of Business Administration. Furthermore, this letter confirms that all of the respective concentration courses will count toward fulfilling the course requirements of both the respective concentration and the respective Department of Accountancy degree.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jon Davis', with a large, looping flourish extending to the right and then back down to the left.

Jon Davis
Head, Department of Accountancy

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

MS Finance Program
Department of Finance
College of Business
330 Wohlers Hall, MC-706
1206 South Sixth Street
Champaign, IL 61820-6980



October 16, 2013

To Whom It May Concern,

This letter represents support from the Master of Science in Finance (MSF) program for a graduate concentration in Information and Technology Control as proposed by the Department of Business Administration.

- This letter shall serve as confirmation that MSF students will be allowed to enroll in the BA concentration in Information and Technology Control.
- This letter shall serve as confirmation that all 12 of the concentration hours will also be counted toward both the MSF and Information and Technology Control concentration.

Please feel free to contact me should you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink, appearing to be 'M. Widdicks'.

Martin Widdicks
Director, MSF Program

Wimmer, Wendy Renee

From: Chhajed, Dilip
Sent: Thursday, March 13, 2014 12:04 PM
To: Lowry, Mary K
Cc: Dutta, Debasish; Wimmer, Wendy Renee; Goben, Rebecca Lynn
Subject: RE: Information Technology and Control proposal

Hi Mary,

We would like to retain the minor. The full-time and the part-time MBA programs are to be included in the approved list of MBA programs.

Thanks,
-Dilip

Dilip Chhajed
Associate Head
Executive Director of MS Programs
Department of Business Administration
University of Illinois at Urbana-Champaign
Champaign, IL 61820

217.333.3778 | chhajed@illinois.edu | <http://www.ms-techmgmt.illinois.edu/>

From: Lowry, Mary K
Sent: Monday, March 10, 2014 4:11 PM
To: Chhajed, Dilip
Cc: Dutta, Debasish; Wimmer, Wendy Renee; Goben, Rebecca Lynn
Subject: Information Technology and Control proposal

Hello Dilip,

The Graduate College has administratively reviewed the proposals you recently submitted. We have questions related to each, and I am sending you a separate email for each proposal. In the proposal to redefine the minor in Information Technology and Control as a concentration, I want to ask two questions about the proposal.

First, the request is to "redefine," the minor as a concentration, and I want to make sure that the intention is that the existing minor will be terminated. If that is not the desired outcome, please let me know.

Second, the MBA program is included in the list of programs that the concentration will be available to. Does that mean all the MBA programs- Executive, full-time and part-time, or some subset of those three? This detail will be needed in order to implement the proposal.

If we could get a reply back via email before the before Program Subcommittee meets on March 18th it will help in their review of the proposal.

Thank you,
Mary

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

EP.14.45

Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820



April 4, 2014

Gay Miller, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Miller:

Enclosed is a copy of a proposal from the College of Business and the Graduate College to establish a graduate concentration in Information Technology and Control.

The proposal has been reviewed and approved by the College of Business as well as the Graduate College Executive Committee. It now requires Senate review.

Sincerely,

A handwritten signature in cursive script that reads 'Kristi A. Kuntz'.

Kristi A. Kuntz
Assistant Provost

Enclosures

c: D. Chhajed
L. DeBrock
R. Goben
M. Lowry

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN



Graduate College

204 Coble Hall
801 South Wright Street
Champaign, IL 61820-6210

April 2, 2014

Executive Committee

2013-2014 Members

Debasish Dutta, *Chair*

Members

David Ceperley

Dilip Chhajed

Susan Cole

Susan Garnsey

Tina Greenlee

David Hays

Christine Jenkins

Ashleigh Jones

Jack Juvik

Ramona Oswald

Yoon Pak

Glaucio Paulino

Dana Rabin

Joseph Rosenblatt

Carla Santos

Rence Trilling

Kristi Kuntz
Office of the Provost
207 Swanlund MC-304

Dear Kristi,

Enclosed please find the proposal to add the Graduate Concentration in Information Technology and Control in the Department of Business Administration.

The Graduate College Executive Committee has approved this proposal. I send it to you now for further review.

Sincerely,

John C. Hart
Associate Dean, Graduate College

c: A. Edwards
A. Kopera
M. Lowry