

**DEPARTMENT OF BUSINESS ADMINISTRATION
COLLEGE OF BUSINESS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
GRADUATE MINOR PROPOSAL**

Title of the proposed minor: Graduate Minor in Information Technology and Control

Sponsoring unit: Department of Business Administration

Proposed effective date: August, 2008

Brief description of the program of study:

The Department proposes to create a minor in Information Technology (IT) and Control that will consist of 12 hours of related coursework that can be tailored for specific career goals of our students. Currently, the Department offers similar courses to MBA students, to help them establish a foundation in areas related to information technology management, and a set of unique courses are being offered at the graduate level in the Department. With the introduction of the proposed minor, students from other graduate programs in Business (e.g., MS in Finance and MS in Accountancy) will be able to minor in this area by selecting a set of three courses from the list of courses below:

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

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, as we plan to develop in the proposed Minor, have been in great demand.

To meet these needs, the proposed minor 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 minor will provide not only a strong foundation in IT and Control but could be tailored to fit the specific career needs of the students through individually designed course project assignment and business case studies.

Prerequisites for the minor:

Students must be admitted to one of the MS programs in the College of Business or a graduate program in a related discipline approved by the Department. There are no specific course prerequisites.

Expected enrollment in the minor:

The Department expects enrollment to reach about 20 students, and as such, would not require the opening of an additional section for the first two years of the program. If, in subsequent years, the demand exceeds the numbers for a single section course, the Department will evaluate any excess demand for the minor in relation to the Department's ability to offer a second section of the minor. We expect that most of the demand will come from the MS in Accountancy program at the present time.

Admission to the minor:

The Department will develop an application form for the Graduate Minor in Information Technology and Control. The application form will include approval from the student's academic advisor and the director of the graduate program to which the student is admitted or enrolled. The Department's Director of Graduate Programs will be responsible for overseeing the graduate minor admission process.

Minor advisor:

The Coordinator of Graduate Programs in the Department together with the coordinator of the Information Systems academic group will advise students in the proposed graduate minor.

Certification of successful completion:

Department administrative staff currently certify successful completion of its graduate programs. The Department will use the same administrative processes to certify successful completion of the minor.

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 minor and thus no budgetary implications. If the demand for the minor 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.

Statement for the catalog:

Graduate Minor in Information Technology and Control

The minor 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 minor will provide not only a strong foundation in IT and Control area but could be tailored to fit the specific career needs of the students.

This minor requires twelve graduate hours of IT and Control related coursework. The courses offered are for business students with diverse backgrounds in mind. There are no prerequisites.

Admission to the minor requires an application to the Department and admission to one of the MS programs in the College of Business or a graduate program in a related discipline approved by the Department. Admission is limited and acceptance is on a competitive basis.

List of the courses that are available for the IT&C Minor:

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 four 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).

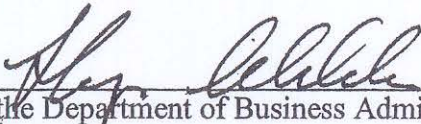
BADM 556 – Electronic Commerce: Graduate seminar in Electronic Commerce (EC), focusing on the integration of IT and business models. Topics include: (1) business-to-consumer EC; (2) business-

to-business EC; (3) enterprise information management; (4) infrastructure development; (5) knowledge management; and (6) EC strategy.

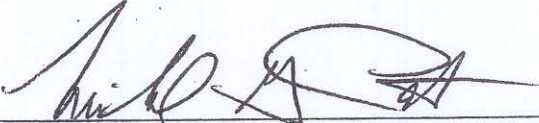
BADM 557 – Decision Support and Knowledge Management: This graduate level course examines emerging information technologies, in particular based on the Internet and mobile applications, to support management decisions. This course combines the technical, business and managerial aspects of developing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

BADM 559 – Enterprise 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.


CLEARANCES



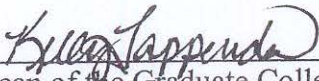
Head of the Department of Business Administration 7/26/07
Date



Chair of the College of Business Ed. Policy Committee 7/26/07
Date



Dean of the College of Business 7/27/07
Date



Dean of the Graduate College 12/17/07
Date

Chair, Senate Educational Policy Committee Date