

Course Descriptions

BUS ADM 230 Introduction to Information Systems. 3 cr.

Information systems concepts, their role in business, management of formal and informal information systems development, and business problem solving using microcomputer tools. Prereq: none. MIS majors must earn a grade of “C” or better; counts as repeat of 231.

BUS ADM 335 Visual System Development. 3 cr.

Visual-oriented techniques for business applications development; visual-oriented design and development methodologies; use of event driven and graphical controls; implementation with an appropriate language. Prereq: sophomore standing; Bus Adm 230 or 231 (grade of “C” or better).

BUS ADM 432 Object-Oriented Systems Development. 3 cr.

Object-oriented concepts and use in management applications, object-oriented design and development methodologies; managing programs and structures; implementation with an appropriate language. Prereq: junior standing; Bus Adm 335 (grade of “C” or better).

BUS ADM 434 Database Management Systems. 3 cr.

Database concepts; data modeling; SQL; fourth generation languages; data resource management; client/server databases; implementation using commercial DBMS products. Prereq: junior standing; Bus Adm 335 (grade of “C” or better).

BUS ADM 436 Systems Analysis and Design. 3 cr.

Systems development methodologies; systems modeling, requirements specification, structured design, and systems implementation; use of automated development tools. Prereq: junior standing; Bus Adm 335 (grade of “C” or better).

Elective Courses

BUS ADM 433 Information Technology Project Management. 3 cr.

In-depth exposure to key tools, techniques, practices, and knowledge areas of IT project management. Microsoft Project 2003 used to support. Number of team-based projects involved. Prereq: junior standing; Bus Adm 436.

BUS ADM 435 Emerging Information Technologies. 3 cr.

Introduction to new information technologies; assessing the viability and impact of emerging technologies; integration with traditional information technology. Hands-on experience in laboratory setting. Prereq: junior standing; Bus Adm 335 (grade of “C” or better).

BUS ADM 438 Management Information Systems Topics (Subtitle). 3 cr.

Contemporary topics for IS practitioners. Typical offerings include distributed information systems, management of IS, decision support systems, end-user computing, multimedia systems. May be retaken to a max of 6 credits with a change in topic. Additional prerequisites announced in the Schedule of Classes each semester. Prereq: junior standing; Bus Adm 335 (grade of “C” or better).

BUS ADM 439 Management Information Systems Internship. 3 cr.

A defined work period in a corporate/governmental/management consulting environment. Credit/no credit only. Prereq: junior standing; Bus Adm 335 (grade of “C” or better); and written consent of instructor.

BUS ADM 530 Introduction to eBusiness. 3 cr.

Opportunities, technical platforms and limitations of eBusiness over the Internet. Various eBusiness models and implementation technologies will be discussed. Prereq: junior standing; Bus Adm 335 (grade of “C” or better).

BUS ADM 531 Developing Web Applications using Web Services. 3 cr.

Developing n-tier systems with Web Services and the Internet, using visual languages such as Visual Basic Script and C# and the SOAP and XML protocols. Prereq: junior standing; Bus Adm 432.

BUS ADM 532 Web Development for Open Business Systems. 3 cr.

Business applications and web development based on platform-independent object-oriented technologies and database connectivity in creating information systems for eBusiness activities. Prereq: junior standing; Bus Adm 432.

BUS ADM 533 Information Technology Infrastructure for Business. 3 cr.

Familiarize students with new infrastructure developments in telecommunications and network technologies, as well as their managerial and business applications. Considered a repeat of Bus Adm 438 with a topic of Networks. Prereq: junior standing; Bus Adm 335 (grade of “C” or better).

BUS ADM 534 Advanced Information Technology Project Management 3cr.

Student-teams will compete for and work on a real-world IT project and present the completed project to the company’s stakeholders. Credit/no credit only. Prereq: junior standing; Bus Adm 433.

BUS ADM 535 Global Information Systems Management 3cr.

Management issues surrounding the effective deployment of information systems in different regions of the world. Counts as a repeat of Bus Adm 438 or 495 with similar title. Prereq: junior standing; a grade of “C” or better in Bus Adm 230 or 231.

BUS ADM 536 Business Intelligence 3cr.

Introduction to business intelligence, with a focus on data warehousing and data mining. This course uses SAP Business Information Warehouse software. Counts as a repeat of Bus Adm 438 topics of Business Intelligence or Data Warehousing. Prereq: junior standing; Bus Adm 434.

BUS ADM 537 Enterprise Systems Concepts and Issues 3cr.

Introduce concepts in ERP and integrated nature of business processes. Students are introduced to all the major components of SAP R/3 and Enterprise Portals interface. Prereq: junior standing; Bus Adm 335 (grade of “C” or better).

BUS ADM 538 Business Process Integration 3 cr.

Business process integration configuration of a hypothetical company

using SAP R/3. Create organizational structure, master data and business rules for buying and selling products and tracking processes. Prereqs: junior standing; Bus Adm 537.

BUS ADM 539 Web Application Server Development 3cr.

ERP Web Application Servers; Web Dynpro for Java to develop Web Applications, Web services and portal content which exposes data from SAP Business Suite. Prereq: junior standing; Bus Adm 335 (with grade of “C” or better).

Note: 50% of all required business coursework must be taken at UW–Milwaukee.

Suggested Groupings of Electives

Enterprise Resource Planning

Bus Adm 536

Business Intelligence

Bus Adm 537

Enterprise Systems Concepts and Issues

Bus Adm 538

Business Process Integration

Bus Adm 539

Web Application Server Development

Project Management

Bus Adm 433

Information Technology Project Management

Bus Adm 534

Advanced Information Technology Project Management

Bus Adm 535

Global Information Systems Management

Bus Adm 438

MIS Topics

Web-based Systems

Bus Adm 530

Introduction to eBusiness

Bus Adm 531

Developing Web Applications Using Web Service

Bus Adm 532

Web Development for Open Business Systems

Bus Adm 533

Information Technology Infrastructure to Business

Bus Adm 438

MIS Topics



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Spring 2011

BACHELOR OF BUSINESS ADMINISTRATION

INFORMATION TECHNOLOGY MANAGEMENT



Sheldon B. Lubar School of Business

THE INFORMATION TECHNOLOGY MANAGEMENT MAJOR

Information Technology Management (ITM) provides undergraduate students with the knowledge needed to develop creative and effective business solutions using information technology, based on a thorough comprehension of business problems and opportunities.

To that end, students are provided with a strong technical foundation in contemporary approaches to business application systems development—which includes planning, analysis, design, project management, programming, maintenance, and support—using state-of-the-art technologies, tools and techniques, as well as an essential background in various business functional areas, such as management, marketing, finance, accounting, operations, and economics. In addition, there is an emphasis on the communication skills and teamwork critical to client understanding and satisfaction.

The ITM program is intended to be the first step in a lifelong learning experience in the exciting and dynamic field of ITM. It provides a strong foundation for advancement and success in ITM careers and ventures.

Accreditation



The Lubar School of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB)—the hallmark of excellence in business education. Less than 5% of business schools worldwide meet the rigorous standards of AACSB accreditation, which ensures that the Lubar School is training our students with high-quality faculty, a dynamic curriculum, and the most current research.

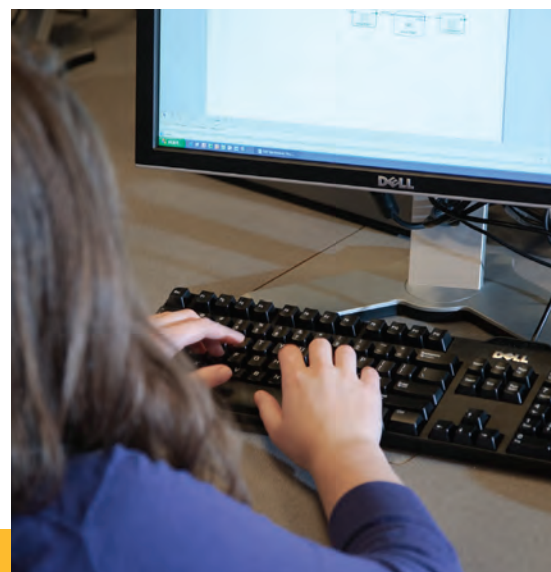
General Education Requirements: 27 credits

- Arts** 3 credits
- Humanities** 6 credits
- Social Science** 6 credits
(cannot include ECON, other than 100 or 193 or 248)
- Natural Science** 6 credits
(including one lab; cannot include Math 211/231)
- COMMUN 103 or 105** 3 credits
- ENGLISH 205 Business Writing** 3 credits
- UWM Foreign Language Requirement**
- UWM Cultural Diversity Requirement**
One course from the Arts, Humanities, or Social Sciences must also satisfy UWM's Cultural Diversity requirement.

Business Foundation Requirements*: 19 credits

- ECON 103** Principles of Microeconomics
- ECON 104** Principles of Macroeconomics
- BUS ADM 201** Intro to Financial Accounting (“B” or better required for Accounting Majors)
- BUS ADM 210** Intro to Management Statistics
- BUS ADM 230** Intro to Information Systems (“C” or better required for MIS Majors)
- MATH 211** Survey in Calculus and Analytic Geometry, or equivalent

*Certain courses will have equivalents in the Business Scholars program.



Admission to the major

Students are eligible to be admitted to their major when the following requirements have been completed:

- Attain Junior standing** (56 credits)
- Satisfy English Composition Requirement**
(complete the English sequence with a “C” or better in English 102 or place high enough on the English Placement Test)
- Satisfy Math Competency**
(complete the math sequence with a grade of “C” or better in Math 105 or place high enough on the Math Placement Test)
- Complete the six Business Foundation courses**
(with a cumulative GPA of 2.00 or above)
- Obtain a cumulative GPA of 2.50** or above in ALL coursework, including transfer coursework
- Students must fill out the pink Admission to the Major form** (available in the Undergraduate Student Services office, Lubar Hall N297)

Business Courses*: 30 credits

- BUS ADM 202** Managerial Accounting
- BUS ADM 311** Quality and Process Improvement
- BUS ADM 320** Managerial Economics
- BUS ADM 330** Organizations
- BUS ADM 350** Principles of Finance
- BUS ADM 360** Principles of Marketing
- BUS ADM 370** Operations Management
- BUS ADM 391** Business Law I
- BUS ADM 600** Management Analysis

*Certain courses will have equivalents in the Business Scholars program.

- Choose at least one of the following for the International Business component:
 - BUS ADM 456** International Financial Management
 - BUS ADM 465** International Marketing
 - BUS ADM 496** International Business
 - BUS ADM 498** Study Abroad: Business Topic
 - BUS ADM 535** Global Information Systems Mgmt.
 - BUS ADM 541** Cross Cultural Management
 - BUS ADM 551** International Investments



ITM Major: 24 credits

- BUS ADM 335** Visual System Development
- BUS ADM 432** Object-Oriented Systems Development
- BUS ADM 434** Database Management Systems
- BUS ADM 436** Systems Analysis and Design
- Choose four of the following courses:
 - BUS ADM 433** Information Technology Project Management
 - BUS ADM 435** Emerging Information Technologies
 - BUS ADM 438** MIS Topics
 - BUS ADM 439** MIS Internship
 - BUS ADM 530** Introduction to eBusiness
 - BUS ADM 531** Developing Web Applications Using Web Services
 - BUS ADM 532** Web Development for Open Business Systems
 - BUS ADM 533** Information Technology Infrastructure to Business
 - BUS ADM 534** Advanced Information Technology Project Management
 - BUS ADM 535** Global Information Systems Management
 - BUS ADM 536** Business Intelligence
 - BUS ADM 537** Enterprise Systems Concepts and Issues
 - BUS ADM 538** Business Process Integration
 - BUS ADM 539** Web Application Server Development

Business Electives: 3 credits

- _____
May include additional Bus Adm courses in the major, business courses outside of the major, and/or courses used in the completion of a second Business major or Business certificate program.

General Electives: 17 credits

- # of credits completed _____
(At least 11 credits must be from outside Business and Economics)
- May include:
 - English 101** Introduction to College Writing
 - English 102** College Writing and Research
 - Math 105** Intermediate Algebra
Foreign Language credits