

BACHELOR OF SCIENCE

INFORMATION TECHNOLOGY MANAGEMENT

Lewis University Accelerated Programs

The School for Professional and Continuing Education provides adult students an opportunity to complete a college degree with a learner-centered, accelerated delivery format compatible with their needs and lifestyles. Most three semester credit hour courses are completed in five- or eight-week sessions.

The academic focus is on the integration of theory and practice emphasizing application, analysis and synthesis through collaborative learning experiences. Through small class size, group interaction and one's unique life experiences, the classroom becomes a dynamic environment in which each student is an active participant.

Lewis faculty are prepared as teachers, scholars, researchers and practitioners. In the adult classroom, they serve as coaches, role models and facilitators. Faculty hold a master's or doctoral degree, providing a rich blend of academic knowledge in their discipline with practical, professional experience.

The College of Business has three comprehensive purposes:

1. to help students understand the function of business in the development and stability of local, national and international societies;
2. to assist students in their mastery of the knowledge and skill necessary for careers in business; and
3. to instill in business graduates capabilities for quality decision-making and leadership, with an ethical sensitivity and sense of justice and social responsibility.

Information Technology Management

The Information Technology Management degree is designed to engage students in an integrated and innovative curriculum grounded in practical competencies needed in the dynamic field of IT. This program offers a combination of technical and managerial expertise that will prepare students to work in a variety of business environments with a sharp understanding of the industry's strategic objectives and management practices.

Unique elements of the program include:

- Students will work on and manage a project as it moves through the Systems Development Life Cycle (SDLC).
- Students will manage their project building on skills learned in each course.
- The end deliverable is a complete project e-portfolio (students will store their documentation on a secure Web site) which fully documents all elements of the SDLC.
- Students can use their project after graduation to demonstrate their competencies and skills to potential employers.

Program Entrance Requirements

Applicants should be at least 24 years of age; have earned a minimum of 12 semester (18 quarter) hours of transferable credit at a regionally accredited post-secondary institution; have earned a minimum of a 2.0 (4.0 scale) cumulative transfer GPA, based on all transferable courses to be considered for admission; and have at least 3 years of full-time work experience. Credits earned through PLA cannot be used for satisfying the transfer credit hour requirement for admission into an accelerated degree program. Business course grades of "C" or higher will be accepted for transfer into the major.

Degree Requirements

- Successful completion of a minimum of 128 semester credit hours.
- Completion of 32 semester graded credit hours at Lewis University including four upper division foundation courses and/or major courses (12 semester credit hours.)
- Achievement of an overall grade point average of at least 2.00 ("C") for all courses taken at Lewis University and a 2.20 average for the foundation and major area courses.

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CURRICULUM

General Education

- College Writing I (3)
- College Writing II (3)
- Introduction to Human Communication (3)
- Mathematics (satisfied by Finite Math or other course equivalents) (3)
- Natural Science (3)
- Natural Science (3)
- Social Science (satisfied by Macroeconomics)(3)
- Social Science (3)
- Social Science (3)

Three of the following courses:

- Culture and Civilization I (3)
- Culture and Civilization II (3)
- Fine Arts Requirement (3)
- Introduction to Philosophy (3)
- Literature Requirement (3)

Two of the following Mission-based courses must be taken at Lewis:

- Christian Action and Values (3)
OR Ethics (3)
- Cultural Diversity and Intergroup Relations (3)
- Theology (3)

Core Courses

- Accounting for Managers (3)
- Principles of Management and Leadership (3)
- Business Law I (3)
- Business Communication in the Digital Age (3)
- Fundamentals of Macroeconomics (3) (will satisfy General Education Social Science)
- Finance For Managers (3)
- Introduction to Information Systems (3)
- Finite Mathematics (3) (will satisfy General Education Mathematics)
- Statistics For The Decision Maker (3)
- Principles of Marketing (3)
- Management Seminar (1)

Major Courses

- Business Programming (3)
- Management Information Systems (3)
- Principles of Project Management (3)
- Systems Methodology and Design (3)
- Database Management Systems (3)
- Web Design Applications (3)
- Data Networks (3)
- Enterprise Security (3)

Optional Minors

Minors are available in a variety of business and interdisciplinary areas including Accounting, Communication Technology, Computer Graphic Design, E-Business, Economics, Finance, Marketing, Computer Information Systems, Multimedia, Networking Technology, and Web Programming (Note: not all of these are available in an accelerated/evening format.) See an advisor for more information. Electives are dependent upon choice of major/concentration.

Optional Certificates

Certificates are available in E-Business, Entrepreneurship, Executive Leadership, Information Technology, Networking, Personal Financial Planning, and Project Management

(Note: not all of these are available in an accelerated/evening format.)

COURSE DESCRIPTIONS

Major Courses

LW-220 Business Programming: This course is a hands-on introduction to basic programming structures, concepts and object-oriented principles. Students will design, code, test and debug programs using contemporary programming languages that comprise computer systems in today's business organizations. Specific topics that will be covered include input/output operations, iteration, arithmetic operations, arrays, classes and objects and other related topics. Prerequisite: LG-200.

LW-305 Management Information Systems: The focus of this course is twofold. First, to provide a look at information systems from a business and managerial point of view. Topics covered will include strategic and competitive technology opportunities, the organization of information using databases and data warehouses, decision support and emerging trends. Secondly, this course will provide a technical glimpse into the world of Information Technology (IT). Topics covered will range from computer hardware and software, systems development and IT infrastructures, to enterprise security. Prerequisite: LG-200.

LW-310 Principles of Project Management: In this course we will define the attributes of a project, the steps involved in the project management process, the benefits of project management, the project life cycle, and what makes projects successful. The key roles of the Project Manager will be presented. The student will obtain knowledge, skills, tools, and techniques to satisfy the expectations of the project stakeholders. Knowledge areas presented will include project planning, definition of scope, estimating and controlling of time and costs, quality assurance, human resource management, the creation, collection, and distribution of information, risk management, and procurement. Prerequisite: LG-200.

LW-315 Systems Methodology and Design: This course is a hands-on introduction to the first three phases of the system development lifecycle: 1) planning/initiation, 2) analysis, and 3) design. Students will learn how to analyze a business case, conduct a preliminary investigation, model business requirements using various tools, select a development strategy, and create a requirements document. Prerequisite: LG-200.

LW-330 Database Management Systems: Database concepts and design; database administration, relational and object-oriented database systems and models; Internet database access; and use of database software. Prerequisite: LG-200.

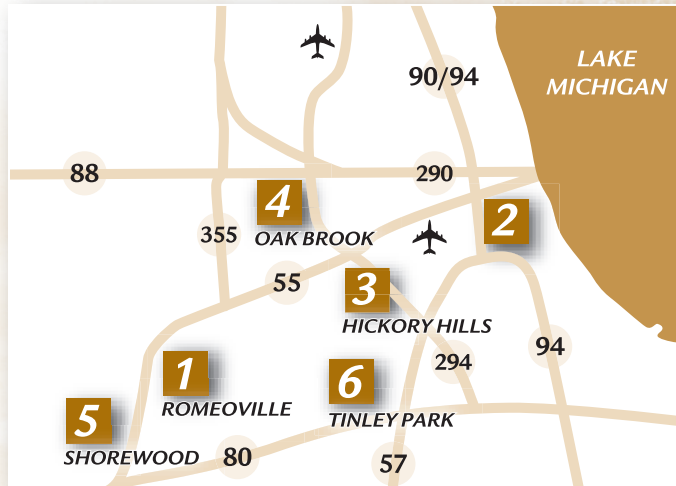
LW-415 Web Design Applications: This course teaches students how to design, create, maintain, and manage a Web site. Students will use a number of tools and programming languages to build the site including: HTML, XML, JavaScript, FrontPage, and Dreamweaver. Prerequisite: LG-200.

LW-430 Data Networks: Students examine principles of telecommunications and networking as applied in a business environment; communication parameters, protocol, and hardware, including modems, multiplexors, common carriers and microwave and satellite systems; and design and implementation of distributed data processing and network systems. Prerequisite: LG-200.

LW-450 Enterprise Security: This course provides a broad overview of security in an enterprise. Students will learn about the threats to the security of information systems, what makes an organization's resources secure, basic technologies for information security, and the levels of training and expertise needed in organizations to reach and maintain a state of acceptable security. This course covers the technical and managerial aspects of securing your enterprise resources. Prerequisite: LG-200.

Note: Material herein is subject to change. See catalog/schedule for prerequisites.

Lewis University Campuses



1 Lewis Main Campus

One University Parkway
Romeoville, IL 60446
[Phone] (815) 836-5610

2 Chicago/De La Salle Institute

3434 S. Michigan Avenue
Chicago, IL 60616
[Phone] (312) 326-1673

3 Hickory Hills Campus

9634 S. Roberts Road
Hickory Hills, IL 60457
[Phone] (708) 233-9768

4 Oak Brook Campus

2122 York Road, Suite 170
Oak Brook, IL 60523
[Phone] (630) 573-1740

5 Shorewood Campus

247 Brookforest Avenue
Shorewood, IL 60404
[Phone] (815) 744-0504

6 Tinley Park Campus

18501 Maple Creek Drive
Tinley Park, IL 60477
[Phone] (708) 444-3180

www.lewisu.edu/campuses

For More Information

Office of Graduate and Adult Admission

One University Parkway, Romeoville, IL 60446-2200
(815) 836-5610, toll-free (800) 897-9000, fax (815) 836-5578
acceleratedprogram@lewisu.edu

Office Hours

M-F, 8:30 a.m. - 5:00 p.m.