

# COMPUTER MANAGEMENT & INFORMATION SYSTEMS



School of Business

## Degrees Available at SIUE

- Bachelor of Science, Computer Management and Information Systems



## Why Computer Management and Information Systems (CMIS)?

The Bachelor of Science in computer management and information systems prepares students for entry into a professional career in business computing. The program is designed to provide students with skills in business systems analysis, design and implementation, database design and implementation, and communications systems design. Students also obtain a breadth of knowledge in the business disciplines, including accounting, economics, finance, management and marketing. This combination of education in the computing discipline and the business disciplines is highly sought after by employers.

## CMIS at SIUE

The CMIS degree will prepare you to be a business professional who understands the value of information and how organizations manage and use information to achieve goals. You will learn about the functional areas of modern business, the ethical and global issues confronting businesses today and the economic, social, political and legal environments in which business decisions are made. Practice in making decisions using quantitative and analytical skills is complemented with leadership and team-building skills. The curriculum is delivered using a variety of methods including analysis of business cases and other experiential exercises as well as co-curricular activities.

## Career Outlook

The demand for graduates with an undergraduate degree in computer management and information systems has risen consistently and continues to rise. Positions demanding these skills include systems analyst, programmer/analyst, network administrator, database designer, information systems project manager, systems consultant and training specialist. Positions of emerging importance include telecommunications analyst, Internet specialist and help-desk consultant. SIUE graduates have been successful in obtaining positions at a variety of companies including Monsanto, Express Scripts, Edward Jones and Hortica, as well as government agencies. Students are strongly encouraged to obtain professional experience through co-operative education, internships and other co-curricular activities prior to graduation.

## How to Apply

Admission to the School of Business is obtained through a selective, competitive application process. Students must first apply to SIUE and be admitted, then complete a set of prerequisite courses before applying for admission to the School of Business. Additional information regarding admission to all undergraduate programs is available on the School of Business website and in the undergraduate catalog. Students are encouraged to work closely with their academic advisors as they make plans to apply for admission to the School of Business.

## Admission Requirements

Our goal is to admit students who demonstrate the greatest likelihood of success. Decisions are based primarily on the student's performance in collegiate-level work and the required essay. Admission is competitive; not all applicants will be admitted.



## Faculty

### Douglas B. Bock, Ph.D.

1987, Indiana University

### Bijoy Bordoloi, Ph.D.

1988, Indiana University

### Andrea J. Hester, Ph.D.

2009, University of Colorado - Denver

### Joshua E. Hileman, M.S.

1998, Southern Illinois University Edwardsville

### Terri L. Keister, M.S.

1987, Southern Illinois University Edwardsville

### Jo Ellen Moore, Ph.D.

1997, Indiana University

### James E. Mussulman, MBA

1996, Southern Illinois University Edwardsville

### Anne L. Powell (Chair), Ph.D.

2000, Indiana University

### Mary B. Sumner, Ed.D.

1977, Rutgers University

### Jill A. Unverzagt, MBA

2000, Southern Illinois University Edwardsville

### Clay K. Williams, Ph.D.

2007, University of Georgia

### Susan E. Yager, Ph.D.

1998, University of North Texas

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**EDWARDSVILLE**

SCHOOL OF BUSINESS

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## Sample Four-Year Curriculum

	FALL	SPRING
YEAR 1	<b>CMIS 108</b> Computer Concepts* (3) <b>ECON 112</b> Microeconomics* (DSS) (3) <b>ENG 101</b> English Composition I* (3) <b>MATH 120</b> College Algebra* (DNSM) (3) <b>SPC 105</b> Public Speaking* (3) Total 15	<b>ECON 111</b> Macroeconomics* (ISS) (3) <b>ENG 102</b> English Composition II* (3) <b>MS 250</b> Mathematical Methods* (3) <b>PHIL 106*</b> or <b>PHIL 207*</b> or <b>MATH 106*</b> (3) <b>Introductory Natural Sciences &amp; Math+</b> (4) Total 16
YEAR 2	<b>ACCT 200</b> Fundamentals of Financial Accounting* (3) <b>HIST 111b</b> Western Civilization II*# (ISS, II) (3) <b>POLS 112</b> American National Government* (3) <b>CMIS 142</b> Visual Basic Programming* (3) Elective (3) Total 15	<b>MS 251</b> Statistical Analysis for Business Decisions* (4) <b>Introductory Fine Arts &amp; Humanities**</b> (3) <b>Distribution Fine Arts &amp; Humanities**</b> (3) Introductory Natural Sciences & Math+ or Introductory Fine Arts & Humanities** (3) <b>CMIS 270</b> Structured Systems Analysis (3) Total 16
YEAR 3	<b>ACCT 210</b> Managerial Accounting* (3) MGMT 330 Understanding the Business Environment (3) MKTG 300 – Principles of Marketing (3) CMIS 310 Info. Tech. for Hardware/Software (3) <b>CMIS 230</b> Java Programming for Business (3) GBA 301 Business Transitions I: Planning for Success (1) Total 16	CMIS 342 Info Systems for Business (3) FIN 320 Financial Management (3) MGMT 331 Managing Group Projects (3) CMIS 450 Database Design (3) Electives (5) Total 17
YEAR 4	IS 401 Business & Society (3) PROD 315 Operations Management (3) CMIS 468 Business Telecommunications (3) Computing Elective (3) Elective (3) Total 15	MGMT 441 Strategic Management* (3) CMIS 470 Structured Systems Design* (3) GBA 402 Business Transitions II: Commitment Beyond College (1) Computing Elective (3) Electives (4) Total 14

\* C or higher required. \*\* One literature course is required. + One science course must have a lab. # Additional approved choices: HIST 112b, 352b, 354b, 356b, 358, 360b, 413, 415, 416, or 460. If one of these HIST courses is substituted, students must take an additional Introductory Social Science to satisfy SIUE General Education requirements.

**TRANSFER STUDENTS** Maximize your transfer experience - complete the **bolded** courses/requirements pre-transfer **AND** satisfy the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed, or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Transfer Credit Equivalency Guides are located at [siue.edu/transfer](http://siue.edu/transfer)

### Application Deadline

- March 1 Summer Term and Fall Semester
- October 1 Spring Semester

### Graduation Requirements

- Cumulative University grade point average required: 2.5
- Business grade point average (in all required business courses taken at SIUE): 2.25
- CMIS grade point average (in all required CMIS courses taken at SIUE): 2.5
- C or higher in Management 441 (meets University Senior Assignment) & CMIS 470
- C or higher in courses marked with \* in Sample Four-Year Curriculum

### Other Business Programs at SIUE

#### Undergraduate Programs

Accountancy, Economics, Entrepreneurship, Finance, Human Resource Management, International Business, Management, Marketing, Business Economics & Finance

#### Graduate Programs

Accountancy, Business Administration, Economics & Finance, Computer Management & Information Systems, Marketing Research

### Contact Information

Office of Business Student Services  
 Founders Hall, Room 3301, Campus Box 1186 Edwardsville, Illinois, 62026-1186  
 Phone: 618.650.3840, Fax: 618.650.3979

