Computer Management and Information Systems (CMIS)

SIUe

Degrees Available at SIUE
- Master of Science in Computer Management and Information Systems (MS CMIS)

Specializations
- Business Analytics
- Project Management

Program Format
The program can be completed through a mix of online courses and hybrid courses offered in the evening.

CMIS at SIUE
The CMIS graduate program is a *STEM-designated business program*. CMIS is an applied business program that focuses on the areas of information systems, software development, computer system architectures, business intelligence and data analytics, information security, cloud management and related management issues. Accredited by the Association to Advance Collegiate Schools of Business (AACSB) International, this program prepares students to practice and advance in positions such as systems analyst, business or data analyst, project leader or manager, technology manager, software developer, system integrator, system administrator, network administrator and consultant.

The curriculum includes specific program foundation courses (prerequisite courses), technology and management core courses, career track elective courses, and a final examination. The CMIS program offers transcriptable specializations in project management (four courses) and business analytics (six courses). Courses in the CMIS program are offered in a flexible, evening/hybrid and online formats. Traditional classroom instruction is combined with online assignments, and courses meet one evening per week for seven weeks.

Hands-on Learning
Students not possessing prior work experience within the information systems field are required to select CMIS 587 Information Systems Internship as one of their electives. This course allows students the opportunity to practice learned skills in a supervised information technology environment prior to degree completion. Corporate members of the School of Business Project Management Advisory Board and CMIS Executive Advisory Board are among the organizations providing internships to CMIS students.

Admission Requirements
- Graduate School application and $40 fee
- Submission of all postsecondary academic transcripts
- A bachelor's degree from an accredited college or university. The undergraduate major is typically in business. Individuals with other backgrounds who are interested in the program are invited to discuss their career objectives with the program director to determine if their goals are consistent with the objectives of their program
- An undergraduate GPA of 2.5 or above on a 4.0 scale
- International Applicants: Proof of English Proficiency, minimum requirements are TOEFL (79), IELTS (6.5) or equivalent
- Submission of a Statement of Purpose, detailing the applicant's background and career plans
- Personal history information
- Submission of Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) scores, unless one of the following requirements is met, in which case eligible applicants can apply to waive the GMAT or GRE requirement. To apply to waive the GRE/GMAT requirement, applicants must contact the Graduate Program Director to request the waiver. The decision to grant the GMAT/GRE waiver rests with the program director and the CMIS admissions committee.
  - Applicants who hold a PhD, MD, LLM, DDS, DNP, EdD or the equivalent in a recognized field from an accredited program in an acceptable U.S. university
  - Applicants holding a master's degree, PharmD, or JD from an accredited program at an acceptable U.S. institution

AACSB ACCREDITED

Faculty
Graduate Program Director
Joseph Vithayathil, PhD
University of California, Irvine

Connie Barber, PhD
University of North Carolina Greensboro

Bijoy Bordoloi, PhD
Indiana University

Tim Jacks, PhD
University of North Carolina Greensboro

Mary Macharia, PhD
University of Arkansas

Anne L. Powell, PhD
Indiana University

Clay K. Williams, PhD
University of Georgia

SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE
GRADUATE SCHOOL

Admission Requirements cont.

- Applicants with a 3.2 or better GPA in undergraduate business degrees from AACSB-accredited business programs or a 3.2 or better GPA in undergraduate engineering degrees from ABET-accredited engineering programs
- Applicants with a 3.0 or higher GPA and a minimum of three years full-time professional work experience

Program application materials may be uploaded during the application process, but official transcripts must be sent directly from the school attended, and test scores must be verifiable with the appropriate testing service. Please contact the Graduate Admissions office with questions regarding the application submission process at graduateadmissions@siue.edu.

Departmental Admission Process
- Administrative review of your admission packet
- Review by the CMIS Graduate Committee

At minimum, students must have:
- An admission score of at least 1050, where admission score equals 200 times the four-year cumulative undergraduate GPA on a 4.0 scale, plus the GMAT score (or GRE equivalent score)
- A GMAT score of at least 500, with raw scores of at least 20 on the verbal portion and 25 on the quantitative portion, and an analytical writing score of at least 4.0; or GRE revised general test scores of at least 150 on verbal reasoning and 154 on quantitative reasoning, and an analytical writing score of at least 4.0
- Applicants with an undergraduate degree in a business discipline from an AACSB-accredited institution with an overall GPA of 3.5 or better on a 4.0 scale must meet the requirements for admission to the Graduate School, and have the option not to submit GMAT or GRE scores.

Admission decisions will be made by the CMIS Graduate Committee on a rolling basis as applications are received.

Program Foundation Courses (Prerequisite Courses)
Students entering the program will need the background detailed below. The program foundation courses are prerequisite courses that do not count toward completion of the Master of Science in CMIS. The background courses must have been acquired within the past seven years.

Proficiency In
- Hardware and Systems Software
- One programming language: C ++, Visual Basic Language, COBOL Programming, Java Programming
- Financial Accounting
- Management of Organizations (Org. Behavior)
- Business functional course with an external customer focus

Prerequisites Required
- CMIS 310
- CS 140 or CMIS 142 or CMIS 260 or CMIS 230
- ACCT 200 or ACCT 524
- MKTG 300 or MKTG 525

Meets Foundation Need
- Information Systems Foundation
- Business Foundation
- Business Foundation: Internal Focus
- Business Foundation: External Focus

Graduation Requirements
Students must enroll in CMIS 589 Final Examination for one credit. Each graduation candidate must pass this final examination,

conducted by the graduate faculty of the department. The final examination will require candidates to demonstrate an appropriate standard of scholarship and to provide evidence of their ability to think critically, to apply knowledge gained through the program, to draw and defend conclusions, and to complete work in a creditable manner. The examination will address topics covered in the CMIS core courses, and will also examine candidates on knowledge and understanding of topics covered in elective courses they completed. The final examination may be written or oral, as determined by the faculty.

Required Credit Hours/Tuition and Fees
- 31
- Visit siue.edu/graduate-tuition for detailed tuition information

Program of Study
The program requires 31 semester hours and consists of seven core courses, three elective courses, and a final examination course. Students in the program must maintain a GPA of at least 3.0 on a 4.0 scale in all graduate courses. No credit is allowed toward degree completion for courses in which a grade below C (2.0) is earned. All program foundation courses must be completed with a grade of B (3.0) or better, including transfer credit.

Computer Management and Information Systems Core (21 hours)
- (3) CMIS 468 Business Telecommunications
- (3) CMIS 526 Information Systems and Technology
- (3) CMIS 528 Strategic Management of Information Technology
- (3) CMIS 540 Project Management Fundamentals and Best Practices
- (3) CMIS 557 Enterprise Resource Planning
- (3) CMIS 564 Database Design
- (3) CMIS 570 Software Systems Design

Elective Courses (9 hours)
Elective courses enable students to add a specialized focus to their study of information systems. Examples of specialized focuses include, but are not limited to:
- Project Management
- Business Analytics
- Systems Design, Development and Implementation
- Database Administration and Database Programming
- Enterprise-Wide Information Systems (ERP)

A formal project management specialization may be completed by selecting electives that fulfill requirements for the specialization. A formal business analytics specialization may be completed by selecting electives that fulfill requirements for the specialization.

The CMIS program director maintains the current list of approved electives. Students must submit a written request to the CMIS program director for approval to deviate from the approved elective list.

Students not possessing prior work experience within the information systems field will be required to select CMIS 587 Information Systems Internship as one of their electives. This is to ensure that students not possessing prior work experience are afforded the opportunity to practice learned skills in a supervised information technology environment prior to degree completion.

To complete the academic requirements for the MS in CMIS, students must complete the CMIS 587 Practical Experience Requirement and the CMIS 589 Final Exam Requirement.

Contact Information
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