



**COMPUTER INFORMATION SYSTEMS  
DEGREE PROGRAM (M.S.)**

The Master of Science (M.S.) in Computer Information Systems is designed specifically for those with minimal technical backgrounds who wish to acquire the computing, managerial and communication skills required to participate professionally as programmers and systems analysts in the Information Technology (IT) field. Full-time graduate students can complete the program in three semesters if they have previously completed an object oriented programming course or have equivalent experience. Part-time students can also easily be served.

Constructed specifically by IT professionals, the curriculum is intended to meet the significant national and regional demand for technically trained professionals who can design, implement, support and maintain Web-based, multiple-tier applications. Students will develop skills in the areas of Java programming, object oriented analysis and design, database design, Web application design, e-business, telecommunications, project management, and IT strategy and policy.

**Program Coordinator:**

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**Additional Admission Requirements:**

1. Completion of the Graduate Management Admission Test (GMAT).
2. A composite score of at least 1000 based on the formula:

3. (GMAT score) + [200 x (overall undergraduate grade point average)] or a composite score of at least 1050 based upon the formula: (GMAT score) + [200 x (last half undergraduate grade point average)].
4. A Test of English as a Foreign Language (TOEFL) score of at least 550 or the equivalent on another exam, for students from countries where English is not the native language.

### **Additional Program Policies:**

1. In order to enroll in 700 level graduate courses offered in the College of Business and Economics, a student must be enrolled in a Graduate Degree Program. A student with a Guest status or with a Post Master's status can take 700 level graduate course(s) on a space available basis.
2. Candidates must obtain approval from their adviser before enrolling in courses. Courses taken without the approval of the adviser may not apply toward completion of the program. Prior to entering the program or during the first four weeks of the semester, candidates shall prepare a program in consultation with their adviser. This program must then be submitted to the Program Coordinator for approval. Any changes (including add/drop) to the program must have the written approval of the Program Coordinator. All changes are initiated by students through their adviser.
3. Individual Studies (MCS-798) and/or Readings and Research (MCS-789) may not be used as electives but may be used to satisfy up to 3 credits in the program. A copy of the proposal must be on file in the Coordinator's Office prior to registration. The student should initiate these requests with the instructor.
4. Students who are dropped from the program for academic reasons or who fail to meet the admission requirements are not eligible to pursue further graduate business courses in the M.B.A., M.P.A., M.S.- Accounting, or M.S.-Management Computer Systems Programs in the College of Business and Economics.
5. Candidates who have not enrolled in a graduate course at UW-Whitewater within two consecutive semesters must conform to any new requirements in the program at the time they are reactivated.
6. Within the confines of the Constitution of the Graduate Faculty and the policies and procedures adopted by the Graduate Council, the Graduate Studies Committee in the College of Business and Economics is the final governing authority on all policy and procedural matters in the Graduate Business Program.

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#### **REQUIRED COURSES - 36 CREDITS**

1. MANGEMNT-734  
INTRODUCTION TO COMPUTER BASED INFORMATION SYSTEMS
2. MANGEMNT-743  
DATABASE MANAGEMENT

3. MCS-724  
OBJECT-ORIENTED PROGRAMMING I
4. MCS-744  
OBJECT-ORIENTED PROGRAMMING II
5. MCS-754  
OBJECT-ORIENTED ANALYSIS & DESIGN
6. MCS-774  
WEB DEVELOPMENT
7. MCS-725  
E-BUSINESS: TECHNOLOGY, APPLICATIONS AND ISSUES
8. MCS-735  
TELECOMMUNICATIONS AND  
NETWORKING
9. MCS-785  
INFORMATION SYSTEMS PROJECT MANAGEMENT
10. MCS-740  
INFORMATION SYSTEMS STRATEGY AND POLICY
11. TWO INFORMATION SYSTEMS ELECTIVES  
SUGGESTED ELECTIVES INCLUDE:  
MANGEMNT-738  
MANAGEMENT OF TECHNOLOGY  
MANGEMNT-742  
DECISION SUPPORT SYSTEMS  
MANGEMNT-754  
EXPERT SYSTEMS IN BUSINESS  
MANGEMNT-784  
SIMULATION FOR MANAGERIAL  
DECISION MAKING  
MCS-760  
TOPICS IN INFORMATION  
TECHNOLOGY  
MCS-770  
ADVANCED DATABASE DESIGN AND MANAGEMENT