

MANAGEMENT COMPUTER SYSTEMS (Fall 2011 Requirements)

* Not an official document. Refer to Advising Report for full requirements.
Requirements may differ depending on date of admission.

FRESHMAN YEAR

Course	Units	Course	Units
_____ ENGLISH 101 Freshman English*	3	_____ ENGLISH 102 Freshman English	3
_____ MATH 141 Intermediate Algebra OR	4/3	_____ MATH 143 Finite OR	3/5
_____ MATH 143 Finite*		_____ General Education Elective**	
_____ General Education Elective**	3	_____ GENED 110 World of the Arts	3
_____ GENED 120/140 Historical/Global Perspectives	3	_____ COMM 110 Intro to Human Communication	3
_____ GENED 130 Individual & Society	3	_____ COMPSCI 181 Intro Database & The Web	3
Total Units	16/15	Total Units	15/17

SOPHOMORE YEAR

In order to register for the business courses listed below (**in bold**), you must have at least 24 units and a 2.50 combined cumulative gpa.

Course	Units	Course	Units
_____ ECON 201 Microeconomics	3	_____ ECON 202 Macroeconomics	3
_____ MATH 243/250/253 Calculus OR	3/5	_____ ACCOUNT 249 Managerial (preferred) OR	3
_____ General Education Elective**		_____ ACCOUNT 261 Intermediate I	
_____ International Requirement	3	_____ ECON 245 Business Statistics	3
_____ ACCOUNT 244 Intro to Financial Actg.	3	_____ MCS 214 Info Tech Concepts/Practice***	3
_____ COMPSCI 172 Intro Programming Java	3	_____ MCS 220 Concepts of Programming***	3
Total Units	15/17	Total Units	15

*You need to begin your Math and English sequences with the appropriate course. Your ACT/SAT scores determine which course is appropriate for you. Refer to your AR for this information and then adjust this schedule accordingly.

**Before you graduate, you must complete at least 32 units of general education, including GENED 390 World of Ideas, which you cannot take until you have earned at least 60 units. Your general education electives must come from the following categories: GA, GS, GH, GE, or GI. ECON 201 Microeconomics will count as a GS course here. No more than one course from a subject area may be counted.

*****Note: COMPSCI 181 must be taken or waived before enrolling in MCS 214 and COMPSCI 172 must be taken or waived before enrolling in MCS 220.**

Admission to the College of Business and Economics Requirements

To take upper division business courses as a business major you must first be admitted to the College of Business and Economics. Admission to the College of Business and Economics requires that you meet the following criteria:

1. Have 54 or more projected units. Projected units are the number of units that will be earned at the end of the present term.
2. Have finished or be registering for the last courses in the **unique and lower division requirements**, and **communication skills** (effective fall 2006 incoming students).
3. Have passed the Computer Applications Test (CAT) or completed COMPSCI 162 Computer Applications course.
4. Have earned a combined (transfer and UW-W) gpa of at least 2.8.

MANAGEMENT COMPUTER SYSTEMS

- In order to take any of the 300- or 400-level business courses listed below, you must first be admitted to the College of Business and Economics.
- You must maintain a 2.50 combined cumulative gpa to enroll in business courses after being admitted to the College.

JUNIOR YEAR

Course	Units	Course	Units
____MCS 231 Concepts of Data Structures	3	____MCS 314 Advanced Database Design/Admin.	3
____Upper Division Business Core*	3	____Upper Division Business Core*	3
____Upper Division Business Core*	3	____Upper Division Business Core*	3
____Upper Division Business Core*	3	____Lab Science (GL)	4/5
____Upper Division Business Core*	3	____PEGNRL 192 Personal Health/Fitness	1
		____ITBE 388 Career Information	1
Total Units	15	Total Units	15/16

SENIOR YEAR

Course	Units	Course	Units
____MCS 331 Systems Analysis & Design I	3	____MCS 431 Systems Analysis & Design II	3
____MCS 325 Web Development I	3	____MCS 425 Web Development II	3
____MCS Elective	3	____MANGEMNT 489 Adm. Policy**	3
____GENED 390 World of Ideas	3	____Diversity Course	3
____Non-Business Elective	3	____General Education Elective	2/3
Total Units	15	Total Units	14/15

MANAGEMENT COMPUTER SYSTEMS ELECTIVES (3 units):

COMPSCI 271 Assembly Programming, **COMPSCI 302** Computer Logic & Microprocessors, **COMPSCI 322** Computer Languages & Compilers, **COMPSCI 370** Intro. to Artificial Intelligence, **COMPSCI 382** Perl & CGI Scripting, **COMPSCI 412** Computer Organization & System Programming, **COMPSCI 433** Theory of Algorithms, **COMPSCI 434** Theory of Computation, **COMPSCI 481** Web Server & Unix Administration, **COMPSCI 482** Web Database Development, **MATH 471** Numerical Analysis, **ITBE 380** Business Intelligence: Concepts, Methods, and Technologies, **ITBE 385** Project Management: Methodologies, Techniques, and Tools, **MCS 232** Cobol W/File Structures, **MCS 391** Cooperative Program, **CompSci/MCS 475** Network Engineering, **MCS 485** Project, **MCS 496** Special Studies, **MCS 498** Independent Studies, OR **MANGEMNT 460** Project Management & Enterprise Resource Planning

*All business majors are required to take the **upper division core** of business courses **below**. In most cases, it is recommended that you complete these courses in your junior year. In some cases, specific core courses are recommended in specific semesters; otherwise, you may take them in either semester of your junior year. The junior-level upper division business core courses are:

ITBE 353 Business Communication FNBSLW 344 Business Finance (pre-req. 2nd Accounting) MANGEMNT 306 Operations Management (pre-req. ECON 245)	FNBSLW 341 Business Law MANGEMENT 301 Organizational Behavior MARKETNG 311 Marketing Principles
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MANGEMNT 489 Administrative Policy is a senior-level core course, and **ITBE 388 Career Information** may be taken in either year, but is recommended as a junior-level course.

**This course has six prerequisite courses: ITBE 353, FNBSLW 341, FNBSLW 344, MANGEMNT 301, MANGEMNT 306, and MARKETNG 311. These courses must be complete prior to enrolling in MANGEMENT 489.

Required for Graduation:

- 120 units
- 60 units in non-business courses, which may include up to 12 credits of Economics.
- 2.50 combined cumulative gpa, 2.50 combined gpa in the major, 2.50 combined gpa in all subjects offered by the College of Business and Economics
- 20 hours of community service