

**INFORMATION TECHNOLOGY MAJOR - Networking and Security Emphasis  
(Fall 2011 Requirements)**

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

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**FRESHMAN YEAR**

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Course	Units	Course	Units
_____ ENGLISH 101 Freshman English*	3	_____ ENGLISH 102 Freshman English	3
_____ MATH 141 Intermediate Algebra OR MATH 143 Finite*	4/3	_____ MATH 143 Finite OR General Education Elective**	3
_____ 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 171 Intro to Programming OR COMPSCI 172 Object Oriented Programming	3
Total Units	16/15	Total Units	15

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**SOPHOMORE YEAR**

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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
_____ Lab Science (GL)	4/5	_____ <b>ACCOUNT 249 Managerial (preferred)</b>	3
_____ <b>♦ITBE 280 Intro to Information Systems</b>	3	_____ <b>ACCOUNT 261 Intermediate I</b>	3
_____ <b>ACCOUNT 244 Intro to Financial Accounting</b>	3	_____ <b>ECON 245 Business Statistics</b>	3
_____ General Education Elective/Diversity**	3	_____ ITBE 221 Information Technology Infrastructure	3
Total Units	16/17	_____ General Education Elective**	3
		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.

♦One prerequisite of **ITBE 280** is the completion of computer applications requirement, either the test or the course (CompSci 162)

**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.

## INFORMATION TECHNOLOGY MAJOR – Networking and Security Emphasis

- 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.

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### JUNIOR YEAR

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Course	Units	Course	Units
_____ ITBE 285 Business Web Application Design	3	_____ ITBE 385 Project Management: Methodologies, Techniques, & Tools	3
_____ Upper Division Business Core*	3	_____ Gened 390 World of Ideas	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	_____ PEGNRL 192 Personal Health/Fitness	1
		_____ ITBE 388 Career Information	1
Total Units	15	Total Units	14

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### SENIOR YEAR

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Course	Units	Course	Units
_____ ITBE Elective	3	_____ ITBE 451 Managing Info. Systems	3
_____ ITBE 331 System Administration	3	_____ ITBE 452 Information Assurance and Security	3
_____ ITBE 332 Network Management	3	_____ MANGEMNT 489 Adm. Policy**	3
_____ Non-Business Elective	3	_____ Non-Business Elective	3
_____ International Requirement	3	_____ Elective	2/3
Total Units	15	Total Units	14/15

**INFORMATION TECHNOLOGY INFRASTRUCTURE ELECTIVE (3 Units from courses):** MCS 314 Advanced Database Design and Administration, ITBE 320 Business Analysis, ITBE 380 Business Intelligence: Concepts, Methods and Technologies, ITBE 485 Project, ITBE 493 ITI Internship or ITBE 495 Emerging Technologies

\*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:

<b>ITBE 353 Business Communication</b> <b>FNBSLW 344 Business Finance (pre-req. 2<sup>nd</sup> Accounting)</b> <b>MANGEMNT 306 Operations Management (pre-req. ECON 245)</b>	<b>FNBSLW 341 Business Law</b> <b>MANGEMENT 301 Organizational Behavior</b> <b>MARKETNG 311 Marketing Principles</b>
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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