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## Informatics B.S., Business Informatics Concentration



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**Degree Awarded:** Bachelor of Science

**Total Credit Hours:** 120

**Career Opportunities:** Mobile apps, BI architect, systems analyst, database, help desk, networking.

### Freshman Year

#### Required Courses

- UNIV 100 – First Year Seminar **3 Credit(s)**
- ACCT 201 – Introduction to Financial Accounting **3 Credit(s)**
- ENGL 101 – Introduction to Academic Writing **3 Credit(s)**
- ENGL 102 – Writing and Research About Culture **3 Credit(s)**
- INFX 101 – Informatics Fundamentals **3 Credit(s)**
- INFX 210 – Human-Computer Interaction **3 Credit(s)**
- INFX 240 – Information Technology Infrastructure **3 Credit(s)**
- MATH 143 – Pre-Calculus Algebra and Trigonometry **3 Credit(s)** †
- MATH 250 – Survey of Calculus **3 Credit(s)**

† Students who meet criteria set by the Department of Mathematics may register for MATH 143 upon entry. Those who do not meet these qualifications must take both MATH 109 and MATH 110, in order to satisfy the MATH 143 requirement.

#### Electives

##### Natural Sciences (3 Credits)

Choose from the General Education Core list of Natural Science courses.

**Total: 30 Credits**

### Sophomore Year

#### Required Courses

- ACCT 202 – Introduction to Managerial Accounting **3 Credit(s)**
- CMPS 150 – Introduction to Computer Science **3 Credit(s)**
- CMPS 260 – Introduction to Data Structures and Software Design **3 Credit(s)**
- INFX 301 – Computational Thinking **3 Credit(s)**
- STAT 427G – Statistical Methods for Researchers I **3 Credit(s)**
  
- ECON 201 – Principles of Macroeconomics **3 Credit(s)**
- or

- ECON 202 – Principles of Microeconomics **3 Credit(s)**  
or
- ECON 300 – Fundamentals of Economics **3 Credit(s)**

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## Electives

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### Informatics (3 credits)

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Must be at the 300 or 400 level.

### Fine Arts (3 credits)

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Choose from the [General Education Core](#) list of Fine Arts courses.

### Communication (3 Credits)

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Must be selected from:

- CMCN 100 – Principles of Human Communication **3 Credit(s)** (or CMCN 101 for International students)
- CMCN 202 – Argumentation and Structured Decision-Making **3 Credit(s)**
- CMCN 203 – Honors Fundamentals **3 Credit(s)**
- CMCN 212 – Introductory Newswriting **3 Credit(s)**
- CMCN 302 – Competitive Forensics **3 Credit(s)**
- CMCN 310 – Public Speaking **3 Credit(s)**

### Natural Sciences (3 Credits)

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Choose from the [General Education Core](#) list of Natural Science courses.

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## Total: 30 Credits

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## Junior Year

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### Required Courses

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- ENGL 365 – Technical Writing **3 Credit(s)**
- INFX 320 – Information Assurance and Security **3 Credit(s)**
- INFX 330 – Information Management **3 Credit(s)**
- INFX 380 – Systems Integration and Architecture **3 Credit(s)**
- INFX 370 – Interactive Website Development **3 Credit(s)**
- FNAN 300 – Business Finance **3 Credit(s)**
- MGMT 320 – Management of Behavior and Organizations **3 Credit(s)**

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## Electives

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### History (3 Credits)

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Choose from the [General Education Core](#) list of History courses.

### Social/Behavioral Sciences (3 credits)

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Choose from the [General Education Core](#) list of Social/Behavioral Science courses. Three hours must be at the 200-level or above.

### Open Elective (3 Credits)

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Choose in consultation with academic advisor.

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## Total: 30 Credits

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## Senior Year

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### Required Courses

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- INFX 450 – Systems Administration and Maintenance **3 Credit(s)**
- INFX 490 – Information Technology Project Management **3 Credit(s)**
- INFX 481 – Business Process Analysis and Design **3 Credit(s)**
- INFX 435 – Business Intelligence and Advanced Databases **3 Credit(s)**

### Electives

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#### Informatics Concentration (9 credits)

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Choose from:

- BLAW 310 – The Legal Environment of Business **3 Credit(s)**
- BSAT 382 – Operations Management **3 Credit(s)**
- MKTG 345 – Principles of Marketing **3 Credit(s)**
- PHIL 316 – Professional Ethics **3 Credit(s)**
- INFX 400 or above

#### Social/Behavioral Sciences (3 credits)

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Choose from the [General Education Core](#) list of Social/Behavioral Science courses. Three hours must be at the 200-level or above.

#### English Literature (3 credits)

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Choose from the [General Education Core](#) list of Literature courses in consultation with academic advisor.

#### Natural Sciences (3 Credits)

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Choose from the [General Education Core](#) list of Natural Science courses.

### Total: 30 Credits

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