

Catalog Year 2017-2018

B.B.A., Health Informatics

A Major Academic Plan (MAP) illustrates one way to complete a degree in a recommended number of semesters. Below is an example of an efficient and recommended plan, but actual plans will vary by individual student needs. Program requirements are based on Catalog Year. See page two for a detailed summary of Major, General Education, Elective, and university requirements.

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| --- | --- | --- | --- | --- | --- | --- |
| **Course Subject and Title** | **Cr.** | **Min.**  **Grade** | **\*GE,**  **UU or UM** | **\*\*Sem. Offered** | **Prerequisite** | **Co Requisite** |
| Semester One | | | | | | |
| GE Objective 1: ENGL 1101 English Composition | 3 | C- | GE | F, S, Su | Appropriate placement score |  |
| GE Objective 4: | 3 |  | GE |  |  |  |
| BA 1110: World of Business | 3 | C- |  | F, S |  |  |
| INFO 1181 Informatics and Programming I | 3 | C- |  | F, S | MATH 1143 or 1147 | MATH 1143 or 1147 |
| INFO 1150 Software and Systems Architecture | 3 | C- |  | D |  | INFO 1181 |
| Total | 15 |  |  |  |  |  |
| Semester Two | | | | | | |
| GE Objective 1: ENGL 1102 Critical Reading and Writing | 3 | C- | GE | F, S, Su | ENGL 1101 or equivalent |  |
| GE Objective 2: COMM 1101 Principles of Speech | 3 | C- | GE | F, S, Su |  |  |
| INFO 1182 Informatics and Programming II | 3 | C- |  | F, S | INFO 1181 |  |
| GE Objective 5: Lecture and Lab | 4 |  | GE |  |  |  |
| MKTG 2225 Basic Marketing Management | 3 | C- |  | F, S |  |  |
| Total | 16 |  |  |  |  |  |
| Semester Three | | | | | | |
| GE Objective 3: MGT 2216 Business Statistics | 3 | C- | GE | F,S | MATH 1108 and ENGL 1101 (or equivalent) |  |
| INFO 3307 Systems Analysis and Design | 3 | C- | UM | D | INFO 1181 |  |
| BA 2210 Intro to Professional Development I | 1 | C- |  | F,S |  |  |
| ACCT 2201 Principles of Accounting I | 3 | C- |  | F,S | MATH 1108 (C- or better) and ENGL 1101 (or equivalent | |
| GE Objective 6: NOT ECON | 3 |  | GE | F,S, Su |  |  |
| HCA 1115 US Health System | 3 | C- |  | D |  |  |
| Total | 16 |  |  |  |  |  |
| Semester Four |  |  |  |  |  |  |
| MGT 2217: Advanced Business Statistics | 3 | C- |  | F, S | MGT 2216 |  |
| GE Objective 5: Lecture only | 3 |  | GE |  |  |  |
| INFO 3380 Networking and Virtualization | 3 | C- | UM | D | INFO 1150 |  |
| ACCT 2202 Principles of Accounting II | 3 | C- |  | F, S, | ACCT 2201with a grade of C- |  |
| GE Objective 6: ECON 2201 Principles of Macroeconomics | 3 | C- | GE | F, S, Su |  |  |
| Total | 15 |  |  |  |  |  |
| Semester Five |  |  |  |  |  |  |
| GE Objective 9 | 3 |  | GE |  |  |  |
| BA 3310 Exploring Professional Development II | 1 |  | UM | F, S | BA 2210 |  |
| ECON 2202 Principles of Microeconomics | 3 | C- |  | F, S, Su |  |  |
| INFO 4407 Database Design and Implementation | 3 | C- | UM | D | INFO 1182, INFO 3307 |  |
| GE Objective 4 | 3 |  | GE |  |  |  |
| INFO 3330 Health Informatics | 3 | C- | UM | D |  |  |
| Total | 16 |  |  |  |  |  |
| Semester Six |  |  |  |  |  |  |
| INFO 3301 Intro to Informatics and Analytics | 3 | C- | UM | F, S | INFO 1100 or equivalent |  |
| MGT 2261 Legal Environment of Organizations | 3 | C- |  | F, S |  |  |
| MGT 3312 Individual and Organizational Behavior | 3 | C- | UM | F, S | ENGL 1102 |  |
| CMP 2201 Business and Professional Speaking | 3 | C- |  | F, S, Su | COMM 1101 |  |
| FIN 3315 Corporate Financial Management | 3 | C- | UM | F, S | ACCT 2202, MGT 2216, ECON 2201 and 2202 |  |
| Total | 15 |  |  |  |  |  |
| Semester Seven |  |  |  |  |  |  |
| BA 4410 Implementing Professional Development III | 1 |  | UM | F, S | BA 3310 |  |
| Gen Ed Objective 7 or 8: FIN 1115 or INFO 1101 | 3 | C- | GE |  |  |  |
| INFO 4422 Health Information Governance | 3 | C- | UM | D | INFO 3330 |  |
| MGT 3329 Operation and Production Management | 3 | C- | UM | F, S | MGT 2216 |  |
| INFO 4424 Healthcare Workflow Process Analysis & Redesign | 3 | C- | UM | D | INFO 3330 |  |
| INFO 4426 Health Data Analytics | 3 | C- | UM | D | INFO 3330, MGT 2227 |  |
| Total | 16 |  |  |  |  |  |
| Semester Eight |  |  |  |  |  |  |
| MGT 4460 Strategic Management | 3 | C- | UM | F, S | Senior standing, INFO 3301, FIN 3315, MGT 3312 and 3329, MKTG 2225 | |
| Either ENGL 3307 Professional Technical Writing or  ENGL 3308 Business Communications | 3 | C- | UM | F, S  F, S, Su | 45 Credits, ENGL 1102  Or 60 Credits, ENGL 1102 |  |
| HCA 4465 Health Care Operations and Quality | 3 | C- | UM | S |  |  |
| HCA 4489 Health Care Informatics Practicum | 3 | C- | UM | F, S, Su |  |  |
| Total | 12 |  |  |  |  |  |
| \*GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major  \*\*See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.) | | | | | | |

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| **2017-2018 Major Requirements** | **CR** | **2017-2018 GENERAL EDUCATION OBJECTIVES**  **Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | | | | | **36 cr. min** |
| **MAJOR REQUIREMENTS** | **78** | 1. Written English (6 cr. min) ENGL 1101 | | | | | 3 |
| **COB Core Requirements** | **45** | ENGL 1102 | | | | | 3 |
| ACCT 2201 Principles of Accounting I | 3 | 2. Spoken English (3 cr. min) COMM 1101 | | | | | 3 |
| ACCT 2202 Principles of Accounting II | 3 | 3. Mathematics (3 cr. min) MGT 2216 | | | | | 3 |
| BA 1110 World of Business | 3 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | |
| BA 2210 Intro to Professional Development | 1 |  | | | | |  |
| BA 3310 Exploring Professional Development II | 1 |  | | | | |  |
| BA 4410 Implementing Professional Development III | 1 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | |
| CMP 2201 Business and Professional Speaking | 3 |  | | | | |  |
| ECON 2201 Principles of Macroeconomics (included in Gen Ed) | |  | | | | |  |
| ECON 2202 Principles of Microeconomics | 3 |  | | | | |  |
| Either ENGL 3307 Professional and Technical Writing  Or ENGL 3308 Business Communications | 3 | 6. Behavioral and Social Science  (**2 courses-different prefixes; 6 cr. min)** | | | | | |
| FIN 3315 Corporate Financial Management | 3 | ECON 2201 Principles of Macroeconomics | | | | | 3 |
| INFO 3301 Introduction to Informatics and Analytics | 3 |  | | | | |  |
| MGT 2216 Business Statistics (included in General Education) | | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | |
| MGT 2217 Advanced Business Statistics | 3 | 7. Critical Thinking | | | | | 3 |
| MGT 2261 Legal Environments of Organizations | 3 | 8. Information Literacy FIN 1115 OR INFO 1100 Digital Literacy | | | | |
| MGT 3312 Individual and Organizational Behavior | 3 | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | |
| MGT 3329 Operations and Production Management | 3 |  | | | | |  |
| MGT 4460 Strategic Management | 3 | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | |
| MKTG 2225 Basic Marketing Management | 3 |  | | | | |  |
| FIN 1115 Personal Fin. or INFO 1101 Digital Lit. (Included in Gen Ed) | | Total GE | | | | | 37 |
| **Health Informatics** | **39** | GE Objectives Courses:  [*2017-2018 General Education Requirements (PDF)*](http://www.isu.edu/media/libraries/central-academic-advising/pdf-files/gened-requirements/2017-2018-General-Education-Requirements.pdf) | | | | | |
| INFO 1150 Software and Systems Architecture | 3 |
| INFO/CS 1181 Informatics and Programming I | 3 |  | | | |  | |
| INFO/CS 1182 Informatics and Programming II | 3 | **MAP Credit Summary** | | | | **CR** | |
| HCA 1115 US Health System | 3 | Major | | | | 84 | |
| INFO 3380 Networking and Virtualization | 3 | General Education | | | | 37 | |
| INFO 3307 Systems Analysis and Design | 3 | Free Electives to reach 120 credits | | | | 0 | |
| INFO 4407 Database Design and Implementation | 3 | TOTAL | | | | 121 | |
| INFO 3330 Health Informatics | 3 |  | | | | | |
| INFO 4422 Health Information Governance | 3 |
| INFO 4424 Healthcare Workflow Process Analysis and Redesign | 3 | **Graduation Requirement Minimum Credit Checklist** | | **Confirmed** | | | |
| INFO 4426 Health Data Analytics | 3 | Minimum 36 cr. General Education Objectives (15 cr. AAS) | | x | | | |
| HCA 4465 Health Care Operations and Quality | 3 | Minimum 16 cr. Upper Division in Major (0 cr. Associate) | |  | x | | |
| HCA 4489 Health Care Informatics Practicum | 3 | Minimum 36 cr. Upper Division Overall (0 cr. Associate) | |  | x | | |
|  |  | Minimum of 120 cr. Total (60 cr. Associate) | |  | x | | |
| **Advising Notes** | | ***MAP Completion Status (for internal use only)*** | | | | | |
|  | |  | *Date* | | | | |
|  | | *Department:* |  | | | | |
|  | | *CAA or COT:* | 5.22.2017jh | | | | |
|  | | *Registrar:* |  | | | | |
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Form Revised: 4.14.2017