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| **Catalog Year 2022-2023**B.S., Health ScienceHealth Science Concentration | ***(For internal use only)***[ ]  *No change*[ ]  *UCC proposal* |

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 |  |  |  |
| GE Objective 5: BIOL 1101 w/Lab or BIOL 2227 w/Lab | 4 |  | GE | F,S,Su |  |  |
| GE Objective 4: | 3 |  | GE |  |  |  |
| CPH 2200 Promoting Wellness | 3 |  |  |  |  |  |
|  Total | 16 |  |  |  |  |  |
| Semester Two |
| GE Objective 1: ENGL 1102 Critical Reading and Writing | 3 | C- | GE | F,S,Su | ENGL 1101 or equivalent |  |
| GE Objective 3: MATH 1153 OR MGT 2216 | 3 | C | GE | F,S | MATH 1108 or placement score |  |
| Health Care Core: HCA 1115 US Health Systems | 3 | C |  | F,S,Su |  |  |
| GE Objective 6: SOC 1101 Intro to Sociology | 3 | C | GE |  |  |  |
| Either CPH/HCA 2210 or HO 0106 Medical Terminology  | 2 |  |  |  |  |  |
|  Total | 14 |  |  |  |  |  |
| Semester Three |
| GE Objective 2: COMM 1101 | 3 |  | GE | F,S,Su |  |  |
| BIOL 3301 and 3301L Anatomy and Physiology and Lab\*\* | 4 | C | UM | F,S |  BIOL 1101  |  |
| Professional Competencies Core: (Select from list) | 3 | C |  | F,S |  |  |
| Either CHEM 1101  | 3 or 5 | C |  | F,S | MATH 1108 |  |
| Or CHEM 1111/1111L  |  | F,S, Su | MATH 1143 or 1147, CHEM 1111L | (CHEM 1111L) |
| Free Electives  | 0 or 2 | C |  |  |  |  |
|  Total | 15 |  |  |  |  |  |
| Semester Four |  |  |  |  |  |  |
| Either CHEM 1102 and CHEM 1103 | 4 | C |  | F,S | CHEM 1101 or CHEM 1111 | CHEM 1103 |
| Or CHEM 1112/1112L |  | F,S,Su | CHEM 1111, 1111L, 1112L, MATH 1143 or 1147 | (CHEM 1112L)  |
| BIOL 3302/BIOL 3302L Lab Anatomy and Physiology | 4 | C | UM | F,S | BIOL 1101 | BIOL 3302L |
| GE Objective 6: PSYC 1101 Intro to General Psychology | 3 | C | GE | F,S,Su |  |  |
| Communication Core: CMP 3308 Groups and Communication | 3 | C | UM | F |  |  |
| Either Diversity Competency | 3 | C | UM |  |  |  |
| Or Upper Division Free Elective | UU |  |  |  |
|  Total | 17 |  |  |  |  |  |
| Semester Five |  |  |  |  |  |  |
| GE Objective 5: Either PHYS 1100 Essentials of Physics | 4 | C | GE | F,S | MATH 1108 |  |
|  Or PHYS 1101/1101L Elements of Physics and Lab | F,S | Permission of COT | MATH 1108, PHYS 1101L |
|  Or PHYS 1111/1113 General Physics and lab | F | MATH 1143 or 1147 | PHYS 1113 |
| EITHER NTD 3340 Nutrition for Health Professionals Or NTD 2229 Nutrition | 3 |  | UM | F,S | BIOL 3301 or 3302 or HO 0111 |  |
| -- | F,S | CHEM 1101, CHEM 1102 |  |
| Either BIOL 2235/2235L General Microbiology/lab | 4 | C |  | F,S | BIOL 1101, BIOL 1102, CHEM 1112 | BIOL 2235L |
| Or BIOL 2221/2221L Introductory Microbiology/lab |  | F,S | BIOL 1101, CHEM 1101, CHEM 1111 | BIOL 2221L |
| Or BIOL 2206/2207 Cell Biology/Lab |  | F,S | BIOL 1101, BIOL 1102, CHEM 1111 | BIOL 2207 |
| DHS 1110 Introduction to Health Professions | 3 |  |  |  |  |  |
|  Total | 14 |  |  |  |  |  |
| Semester Six |  |  |  |  |  |  |
| Additional Courses Upper Division (select from list) | 6 | C | UM | F,S |  |  |
| GE Objective 7 or 8: | 3 |  | GE |  |  |  |
| GE Objective 9 | 3 |  | GE |  |  |  |
| Free Electives | 2 |  |  |  |  |  |
|  Total | 14 |  |  |  |  |  |
| Semester Seven |  |  |  |  |  |  |
| DHS 4426 Evidence Based Research in HS | 3 | C | UM | F,S | MATH 1153 or equivalent |  |
| Additional Courses (select from list) | 6 | C |  |  |  |  |
| Upper Division Free Electives | 6 | C | UU |  |  |  |
|  Total  | 15 |  |  |  |  |  |
| Semester Eight |   |  |  |  |  |  |
| Upper Division Free Electives | 7 |  | UU |  |  |  |
| Free Electives | 8 |  |  |  |  |  |
|  Total  | 15 |  |  |  |  |  |
| \*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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| **2022-2023 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES****Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | **36 cr. min** |
| **MAJOR REQUIREMENTS** | **54-59** | 1. Written English (6 cr. min) ENGL 1101 | 3 |
| **BSHS Core** | **1224** |  ENGL 1102 | 3 |
| CPH 2200 Promoting Wellness | 3 | 2. Spoken English (3 cr. min) COMM 1101 | 3 |
| Either CPH/HCA 2210 or HO 0106 Medical Terminology | 2 | 3. Mathematics (3 cr. min) MATH 1153 or MGT 2216  | 3 |
| BIOL 3301 and 3301L Advanced Human Anatomy and Physiology and Lab\*\* | 4 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** |
| DHS 4426 Evidence Based Research in Health Sciences | 3 |  |  |
| **Professional Competencies (Select One)** | **3** |  |  |
| CPH 4405 Leadership and Policy; HCA 4475 Health Law and Bioethics\*;  | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** |
| HO 0107 Medical Law and Ethics; PHIL 2230 Medical Ethics; PHIL 4456 Ethical Issues in Healthcare Law and Policy | PHYS 1101, 1100/L, or 1111/1113 | 4 |
| **Health Care Core**  | **3** | BIOL 2227 w/Lab or BIOL 1101 w/Lab | 4 |
| HCA 1115 US Health System (See Catalog for further options) |  |  |
| **Communication Core** | **3** | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** |
| CMP 3308 Groups and Communication (See Catalog for further options) | SOC 1101 | 3 |
| **Diversity Core – Select one course below** | **0-3** | PSYC 1101 | 3 |
| **-Not needed if HCA 4475 was selected for Professional Competencies area** | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** |
| ANTH 4406 American Indian Health Issues; ANTH 4407 Anthro of Global Health; ANTH 4408 Topics in Medical Anthro; ANTH 4409 Clinical Medical Anth; COUN 3300 Interpersonal Skills in Health Professions; CPH 4425 Patient Education Skills; DHS 4402 Survey of Aging Issues; HCA 4475 Health Law and Bioethics; SOC 2248 Critical Analysis of Social Diversity; SPAN 2210 Spanish for Health Care I | 7. Critical Thinking |  |
| 8. Information Literacy  |
| 9. Cultural Diversity **(1 course; 3 cr. min)** |
| **Health Science Concentration** | **15-17** |  |  |
| BIOL 3302 and 3302L Anatomy and Physiology and lab | 4 | General Education Elective to reach 36 cr. min. **(if necessary)** |
| Either BIOL 2235/2235L General MicrobiologyOr BIOL 2221/2221L Introductory Microbiology and lab | 4 |   |  |
|  **Total GE** | **38** |
| Or BIOL 2206/2207 Cell Biology and Lab |  | GE Objectives - Catalog Requirements: [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/) |
| Either CHEM 1101 and CHEM 1102 and CHEM 1103  |  |
| Or CHEM 1111/1111L and CHEM 1112/1112L | 7 or 9 |  |
| Either PHYS 1100 Essentials of Physics (included in GE) |
| Or PHYS 1101/1101L Elements of Physics and Lab |
| Or PHYS 1111/1113 General Physics and lab | **MAP Credit Summary** | **CR** |
| **Other Health Science Concentration Requirements** | **6** | Major  | 54-59 |
| Either NTD 3340 Nutrition for Health Professionals  3 Or NTD 2239  | General Education  | 38 |
| Free Electives to reach 120 credits | 23-28 |
| Either MATH 1153 Introduction of Statistics  |  TOTAL | 120 |
| Or MGT 2216 Business Statistics (included in GE Objective 3)  |  |
| PSYC 1101 (Included in GE Objective 6) |
| SOC 1101 (Included in GE Objective 6) | **Graduation Requirement Minimum Credit Checklist** | **Confirmed** |
| DHS 1110 Introduction to Health Professions | 3 | Minimum 36 cr. General Education Objectives (15 cr. AAS) |  |
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| **Select Additional Courses from:** | Minimum 16 cr. Upper Division in Major (0 cr. Associate) |  |  |
| **Processional, Health Care, Communication, Diversity** | **12** | Minimum 36 cr. Upper Division Overall (0 cr. Associate) |  |  |
| HCA 2215; HCA 4475; HO 0107; Phil 2230; ECON 3303; HCA 3340; | Minimum of 120 cr. Total (60 cr. Associate) |  |  |
| ANTH 4409; CMP 4422; COUN 3300; ENGL 3307; CPH 4410; CPH 4425;  |  |  |
| ANTH 4407 |  |  |
| **Advising Notes** | ***MAP Completion Status (for internal use only)*** |
| \*If HCA 4475 is selected for the Professional Competency  |  | *Date* |
| course, it will also meet the Diversity Competency course | *Department:*  |  |
| requirement. | *OAA or COT:* | 5.27.2021vs |
| \*\*Biol 2227 and 2227L can substitute for BIOL 3301 and lab. | *Registrar:*  |  |
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