

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

|  |  |
| --- | --- |
| **Catalog Year 2023-2024**  BS, Radiographic Science | *No change*  *UCC proposal* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Subject and Title** | **Cr.** | **Min.**  **Grade** | **\*GE,**  **UU or UM** | **\*\*Sem. Offered** | | **Prerequisite** | **Co-Requisite** |
| Semester One | | | | | | | |
| GE Objective 1: ENGL 1101 Writing and Rhetoric I | 3 | C- | GE | |  | Appropriate placement score |  |
| GE Objective 3: MATH 1153 Introduction to Statistics | 3 |  | GE | |  |  |  |
| RS 1105 Introduction to Radiographic Science | 1 |  |  | | F, S |  |  |
| GE Objective 5: BIOL 1101 and lab | 4 |  | GE | | F,S,Su | Test INTO MATH 1108 |  |
| GE Objective 4: | 3 |  | GE | |  |  |  |
| GE Objective 6: | 3 |  | GE | |  |  |  |
| Total | 17 |  |  | |  |  |  |
| Semester Two | | | | | | | |
| GE Objective 1: ENGL 1102 Writing and Rhetoric II | 3 | C- | GE | |  | ENGL 1101 or equivalent |  |
| GE Objective 5: CHEM 1101 | 3 |  | GE | | F,S | MATH 1108 |  |
| GE Objective 8: INFO 1101 Digital Information Literacy | 3 |  | GE | | F,S |  |  |
| HCA/HE 2210 Medical Terminology and Communication | 2 |  |  | | F,S |  |  |
| GE Objective 6: | 3 |  | GE | |  |  |  |
| MATH 1143 College Algebra | 3 |  |  | |  |  |  |
| Total | 17 |  |  | |  |  |  |
| Semester Three | | | | | | | |
| PHYS 1100 Essential of Physics | 4 |  |  | | F,S |  | MATH 1108 |
| BIOL 2227 & 2227L Anatomy and Physiology and Lab\* | 4 |  |  | | F,S | BIOL 1101 |  |
| ACCT 3303 Accounting Concepts OR  ACCT 2201 Principals of Accounting I | 3 |  |  | | D | Available to non-business majors only |  |
|  |  | | F,S | ENGL 1101/1101P, AND MATH 1108 |  |
| GE Objective 2: COMM 1101 Principles of Speech | 3 |  | GE | |  |  |  |
| MGT 3312 Individual and Organizational Behavior | 3 |  | UM | |  |  |  |
| Total | 17 |  |  | |  |  |  |
| Semester Four | | | | | | | |
| GE Objective 4: | 3 |  | GE | | F,S |  |  |
| BIOL 2228 and lab Anatomy and Physiology and lab\* | 4 |  |  | | F,S | BIOL 1101 |  |
| MGT 4473 Human Resource Management | 3 |  |  | | F,S |  |  |
| HCA 4475 Health Law and Bioethics | 3 |  |  | | F,S | Pre-reqs do not apply for RS majors Please contact Instructor for an Override |  |
| GE Objective 9: | 3 |  | GE | |  |  |  |
| **Apply to Program by May 15** Total | 16 |  |  | |  |  |  |
| Semester Five | | | | | | | |
| RS 3310 Radiographic Methods I | 2 |  | UM | | F |  |  |
| RS 3320 Radiographic Imaging Applications and lab | 2 |  | UM | | F |  |  |
| RS 3325 Patient Care in Radiography | 3 |  | UM | | F |  |  |
| RS 3330 Radiographic Exposure and lab | 3 |  | UM | | F |  |  |
| RS 3340 Laboratory Practicum I | 1 |  | UM | | F |  |  |
| RS 3389 Applied Radiography I | 4 |  | UM | | F |  |  |
| Total | 15 |  |  | |  |  |  |
| Semester Six | | | | | | | |
| RS 3311 Radiographic Methods II | 2 |  | UM | | S |  |  |
| RS 3341 Laboratory Practicum II | 1 |  | UM | | S |  | RS 3311 |
| RS 3375 Pediatric Radiography | 1 |  | UM | | S |  |  |
| RS 3388 Radiation Protection | 1 |  | UM | | S |  |  |
| RS 3390 Applied Radiography II | 4 |  | UM | | S |  |  |
| BIOL 4470 Cross Sectional Anatomy | 2 |  | UM | | S | BIOL 3301 and 3302 |  |
| HPHY 3300 Medical Electronics | 2 |  | UM | | S |  | HPHY 3321 |
| HPHY 3321 Radiologic Physics | 2 |  | UM | | S | PHYS 1100 |  |
| Total | 15 |  |  | |  |  |  |
| Semester Seven (Summer) | | | | | | | |
| RS 4421 Computed Tomography | 1 |  | UM | | Su |  |  |
| RS 4488 Applied Radiography III | 5 |  | UM | | Su |  |  |
| Total | 6 |  |  | |  |  |  |
| Semester Eight | | | | | | | |
| RS 3312 Radiographic Methods III | 2 |  | UM | | F |  |  |
| RS 3342 Laboratory Practicum III | 1 |  | UM | | F |  |  |
| RS 4450 Alternate Imaging Modalities w/EB Research | 1 |  | UM | | F |  |  |
| RS 4460 Intro to Radiographic Quality Assurance | 2 |  | UM | | F |  |  |
| RS 4489 Applied Radiography IV | 6 |  | UM | | F |  |  |
| Total | 12 |  |  | |  |  |  |
| Semester Nine | | | | | | | |
| BIOL 3307 or HPHY 3307 | 2 |  | UM | | S | BIOL 1101 and PHYS 1100 |  |
| RS 4430 Radiologic Pathology | 2 |  | UM | | S |  |  |
| RS 4441 Advanced Radiographic Methods I | 1 |  | UM | | S | RS 3312 and 3342 |  |
| RS 4470 Advanced Radiographic Exposure | 2 |  | UM | | S |  |  |
| RS Registry Review | 2 |  | UM | | S |  |  |
| RS 4490 Applied Radiography V | 6 |  |  | |  |  |  |
| Total | 15 |  |  | |  |  |  |

BS, Radiographic Science Page 2

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2023-2024 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES**  **Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | | | | | **36 cr. min** | |
| **MAJOR REQUIREMENTS** | **93** | 1. Written English (6 cr. min) ENGL 1101 | | | | | 3 | |
| **Prerequisite Coursework** | **30** | ENGL 1102 | | | | | 3 | |
| CHEM 1101 Introduction to General Chemistry (GE Obj. 5) | | 2. Spoken English (3 cr. min) COMM 1101 | | | | | 3 | |
| INFO 1101 Digital Information Literacy (GE Obj. 8) | | 3. Mathematics (3 cr. min) MATH 1153 | | | | | 3 | |
| MATH 1153 Introduction to Statistics (GE Obj. 3) | | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | | |
| BIOL 1101 and 1101L Biology I and lab (GE Obj. 5) | |  | | | | |  | |
| PHYS 1100 Essentials of Physics | 4 |  | | | | |  | |
| BIOL 2227 and 2227L Anatomy and Physiology and lab\* | 4 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | | |
| BIOL 3302 and 2228L Anatomy and Physiology and lab\* | 4 | CHEM 1101 Introduction to General Chemistry | | | | | 3 | |
| HCA/CPH 2210 Medical Terminology and Communication | 2 | BIOL 1101 and 1101L Biology I and lab | | | | | 4 | |
| MATH 1143 College Algebra | 3 |  | | | | |  | |
| RS 1105 Introduction to Radiographic Science | 1 | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** | | | | | | |
| ACCT 3303 Accounting Concepts | 3 |  | | | | |  | |
| MGT 3312 Individual and Organizational Behavior | 3 |  | | | | |  | |
| MGT 4473 Human Resource Management | 3 | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | | |
| HCA 4475 Health Law and Bioethics | 3 | 7. Critical Thinking | | | | | 3 | |
| **Professional Courses** | **63** | 8. Information Literacy INFO 1101 Digital Information Literacy | | | | |
| RS 3310 Radiographic Methods I | 2 | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | | |
| RS 3311 Radiographic Methods II | 2 |  | | | | |  | |
| RS 3312 Radiographic Methods III | 2 | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | | |
| RS 3320 Radiographic Applications and RS 3320L Lab | 2 |  | | | | |  | |
| RS 3325 Patient Care in Radiography | 3 | **Total GE** | | | | | **37** | |
| RS 3330 Radiographic Exposure and RS 3330L Lab | 3 | Undergraduate Catalog and GE Objectives by [Catalog Year](https://coursecat.isu.edu/undergraduate/academicinformation/generaleducation/)  *http://coursecat.isu.edu/undergraduate/programs/* | | | | | | |
| RS 3340 Laboratory Practicum I | 1 |
| RS 3341 Laboratory Practicum II | 1 |  | | | | | | |
| RS 3342 Laboratory Practicum III | 1 |
| RS 3375 Pediatric Radiography | 1 |
| RS 3388 Radiation Protection | 1 | **MAP Credit Summary** | | | | | **CR** | |
| RS 3389 Applied Radiography I | 4 | Major | | | | | 93 | |
| RS 3390 Applied Radiography II | 4 | General Education | | | | | 37 | |
| RS 4421 Computed Tomography | 1 | Upper Division Free Electives to reach 36 credits | | | | | 0 | |
| RS 4430 Radiologic Pathology | 2 | Free Electives to reach 120 credits | | | | | 0 | |
| RS 4441 Advanced Radiographic Methods I | 1 | TOTAL | | | | | 130 | |
| RS 4450 Alternate Imaging Modalities w/Intro to E-B--Research | 1 |  | | | | | | |
| RS 4460 Introduction to Radiographic Quality Assurance | 2 |
| RS 4470 Advanced Radiographic Exposure | 2 | **Graduation Requirement Minimum Credit Checklist** | | | | **Confirmed** | | |
| RS 4475 Registry Review | 2 | Minimum 36 cr. General Education Objectives (15 cr. AAS) | | | | x | | |
| RS 4488 Applied Radiography III | 5 | Minimum 15 cr. Upper Division in Major (0 cr. Associate) | | | | x | |  |
| RS 4489 Applied Radiography IV | 6 | Minimum 36 cr. Upper Division Overall (0 cr. Associate) | | | | x | |  |
| RS 4490 Applied Radiography V | 6 | Minimum of 120 cr. Total (60 cr. Associate) | | | | x | |  |
| BIOL/HPHY 3307 Radiobiology | 2 |  | | |  | | | |
| BIOL 4470 Cross sectional Anatomy | 2 |  | ***MAP Completion Status (for internal use only)*** | | | | | |
| HPHY 3300 Medical Electronics | 2 |  | | Date |  | | | |
| HPHY 3321 Radiologic Physics | 2 | *CAA or COT:* | |  |  | | | |
| **Advising Notes** | | **Complete College American Momentum Year** | | | | | | |
| Admission Requirements (deadline May 15): | | **Math and English course in first year-Specific GE MATH course identified** | | | | | | |
| Minimum GPA 3.00, prerequisite coursework completed, Application  Fee | | **9 credits in the Major area in first year** | | | | | | |
| **15 credits each semester (or 30 in academic year)** | | | | | | |
| \*BIOL 3301/L and 3302/L can be substituted for BIOL 2227/L and 2228/L | | **Milestone courses** | | | | | | |
|  | | | | | | |