

**Catalog Year 2018-2019**

BS, Radiographic Science

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

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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 |  | Appropriate placement score |  |
| GE Objective 3: MATH 1153 Introduction to Statistics | 3 |  | GE |  |  |  |
| RS 1105 Introduction to Radiographic Science | 1 |  |  | F, S, W |  |  |
| GE Objective 5: BIOL 1101 and lab | 4 |  | GE | F,S,Su | MATH 1108 | (MATH 1108) |
| GE Objective 4: | 3 |  | GE |  |  |  |
| GE Objective 6: | 3 |  | GE |  |  |  |
| Total | 17 |  |  |  |  |  |
| Semester Two | | | | | | |
| GE Objective 1: ENGL 1102 Critical Reading and Writing | 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 or equivalent OR Free Electives | 3 |  |  |  |  |  |
| Total | 17 |  |  |  |  |  |
| Semester Three | | | | | | |
| PHYS 1100 Essential of Physics | 4 |  |  | F,S |  | MATH 1108 |
| BIOL 3301 and 3301L Anatomy and Physiology and Lab | 4 |  |  | F,S | BIOL 1101 |  |
| ACCT 3303 Accounting Concepts | 3 |  |  | D |  |  |
| GE Objective 2: COMM 1101 Principles of Speech | 3 |  | GE |  |  |  |
| GE Objective 4: | 3 |  | GE |  |  |  |
| Total | 17 |  |  |  |  |  |
| Semester Four | | | | | | |
| MGT 3312 Individual and Organizational Behavior | 3 |  | UM | F,S |  |  |
| BIOL 3302 and lab Anatomy and Physiology and lab | 4 |  |  | F,S | BIOL 1101 |  |
| HCA 3384 or MGT 4473 | 3 |  |  | F,S |  |  |
| HCA 4475 Health Law and Bioethics | 3 |  |  | F,S |  |  |
| 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 |  |  |  |  |  |

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| **2018-2019 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 3301 and 3301L Anatomy and Physiology and lab | 4 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | | |
| BIOL 3302 and 3302L Anatomy and Physiology and lab | 4 | CHEM 1101 Introduction to General Chemistry | | | | | | 3 |
| HCA/HE 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 |  | | | | | |  |
| Either HCA 3384 Human Resource Mgt. in Healthcare Orgs. |  | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | | |
| Or MGT 4473 Human Resource Management | 3 | 7. Critical Thinking | | | | | | 3 |
| HCA 4475 Health Law and Bioethics | 3 | 8. Information Literacy INFO 1101 Digital Information Literacy | | | | | |
|  |  | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | | |
| **Professional Courses** | **63** |  | | | | | |  |
| RS 3310 Radiographic Methods I | 2 | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | | |
| RS 3311 Radiographic Methods II | 2 |  | | | | | |  |
| RS 3312 Radiographic Methods III | 2 | **Total GE** | | | | | | **37** |
| RS 3320 Radiographic Applications and RS 3320L Lab | 1 | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/) | | | | | | |
| RS 3325 Patient Care in Radiography | 3 |
| RS 3330 Radiographic Exposure and RS 3330L Lab | 3 |  | | | | | | |
| RS 3340 Laboratory Practicum I | 1 |
| RS 3341 Laboratory Practicum II | 1 |
| RS 3342 Laboratory Practicum III | 1 | **MAP Credit Summary** | | | | | **CR** | |
| RS 3375 Pediatric Radiography | 1 | Major | | | | | 93 | |
| RS 3388 Radiation Protection | 1 | General Education | | | | | 37 | |
| RS 3389 Applied Radiography I | 4 | Free Electives to reach 120 credits | | | | | 0 | |
| RS 3390 Applied Radiography II | 4 | TOTAL | | | | | 130 | |
| RS 4421 Computed Tomography | 1 |  | | | | | | |
| RS 4430 Radiologic Pathology | 2 |
| RS 4441 Advanced Radiographic Exposure | 2 |
| RS 4450 Alternate Imaging Modalities w/Intro to E-B--Research | 1 |
| RS 4460 Introduction to Radiographic Quality Assurance | 2 | **Graduation Requirement Minimum Credit Checklist** | | | **Confirmed** | | | |
| RS 4470 Advanced Radiographic Exposure | 2 | Minimum 36 cr. General Education Objectives (15 cr. AAS) | | |  | | | |
| RS 4475 Registry Review | 2 | Minimum 16 cr. Upper Division in Major (0 cr. Associate) | | |  |  | | |
| RS 4488 Applied Radiography III | 5 | Minimum 36 cr. Upper Division Overall (0 cr. Associate) | | |  |  | | |
| RS 4489 Applied Radiography IV | 6 | Minimum of 120 cr. Total (60 cr. Associate) | | |  |  | | |
| RS 4490 Applied Radiography V | 6 |  | |  | | | | |
| BIOL/HPHY 3307 Radiobiology | 2 | ***MAP Completion Status (for internal use only)*** | | | | | | |
| BIOL 4470 Cross sectional Anatomy | 2 |  | *Date* | | | | | |
| HPHY 3300 Medical Electronics 2 | 2 | *Department:* |  | | | | | |
| HPHY 3321 Radiologic Physics | 2 | *CAA or COT:* | 6.13.2018 jh | | | | | |
| **Advising Notes** | | *Registrar:* |  | | | | | |
| Admission Requirements (deadline May 15): | |  | | | | | | |
| Minimum GPA 3.00, prerequisite coursework completed, Application | |
| Fee | |
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Form Revised 1.24.2018