

# MEDICAL RADIATION SCIENCES | Radiation Therapy | 2021-2022

## FIRST YEAR

| <u>Fall Semester</u>                                      | <u>Credits</u> | <u>Spring Semester</u>                                    | <u>Credits</u> |
|---|----------------|---|----------------|
| PSYS 001 Introduction to Psychological Science            | 3              | BHSC 034 Human Blood Cell Biology <sup>1</sup>            | 4              |
| ENGS 001 Written Expression                               | 3              | MATH 019 Fund. of Calculus I (or higher) (QR)             | 3              |
| CHEM 023 Outline of General Chemistry                     | 4              | NFS 043 Fundamentals of Nutrition                         | 3              |
| HLTH 003 Medical Terminology                              | 2              | BHSC 098 Introduction to Scientific Writing               | 3              |
| NH 050 Applications to Health                             | 1              | Elective, Diversity or Sustainability Course <sup>2</sup> | 3              |
| Elective, Diversity or Sustainability Course <sup>2</sup> | 3              |   |                |
| <i>Total Credits:</i>                                     | <i>16</i>      | <i>Total Credits:</i>                                     | <i>16</i>      |

## SECOND YEAR

| <u>Fall Semester</u>  | <u>Credits</u> | <u>Spring Semester</u>                                | <u>Credits</u> |
|---|----------------|---|----------------|
| ANPS 019 Ugr Hum Anatomy & Physiology   | 4              | ANPS 020 Ugr Hum Anatomy & Physiology                 | 4              |
| SOC 001 Introduction to Sociology (SU) <b>or</b><br>SOC 019 Race Relations in the US (D1) | 3              | PHYS 013 Conceptual Physics w/ lab                    | 4              |
| STAT 111 Elements of Statistics <b>or</b><br>STAT 141 Basic Statistical Methods           | 3              | BHSC 140 Radiation Science <sup>1</sup>               | 4              |
| Elective, Diversity or Sustainability Course <sup>2</sup>                                 | 3              | RADT 152 Principles of Radiation Therapy <sup>1</sup> | 3              |
| Elective Course   | 3              |   |                |
| <i>Total Credits:</i>   | <i>16</i>      | <i>Total Credits:</i>                                 | <i>15</i>      |

## THIRD YEAR

| <u>Fall Semester</u>                             | <u>Credits</u> | <u>Spring Semester</u>                            | <u>Credits</u> |
|--|----------------|---|----------------|
| RADT 270 Dosimetry Concepts <sup>1</sup>         | 3              | RADT 275 Dosimetry <sup>1</sup>                   | 3              |
| PATH 101 Intro to Human Disease                  | 3              | RADT 176 Clinical Radiation Oncology <sup>1</sup> | 3              |
| BHSC 175 Cross Sectional Imaging <sup>1</sup>    | 3              | RADT 215 CT Procedures <sup>1</sup>               | 3              |
| RADT 173 Intro to Clinical Practice <sup>1</sup> | 3              | RADT 174 Clinical Practicum II <sup>1</sup>       | 2              |
| NH 120 Health Care Ethics                        | 3              | RADT 244 Essentials of Patient Care <sup>1</sup>  | 3              |
| <i>Total Credits:</i>                            | <i>15</i>      | <i>Total Credits:</i>                             | <i>14</i>      |

## FOURTH YEAR

| <u>Fall Semester</u>                                      | <u>Credits</u> | <u>Winter Semester</u>                                   | <u>Credits</u> |
|---|----------------|--|----------------|
| BHSC 297 Leadership & Mgt in Hlth Care <sup>1</sup>       | 3              | RADT 279 Final Practicum Overview <sup>1, 4</sup>        | 1-4            |
| RADT 277 Techniques in Radiation Therapy <sup>1</sup>     | 4              |  |                |
| RADT 223 Clinical Practicum III <sup>1</sup>              | 3              | <u>Spring Semester</u>                                   | <u>Credits</u> |
| RADT 278 Senior Seminar in Radiation Therapy <sup>1</sup> | 2              | RADT 274 Clinical Practicum IV <sup>1</sup>              | 11             |
| Elective Course <sup>3</sup>                              | 3              | RADT 280 Quality Assurance & Treatment Plan <sup>1</sup> | 2              |
| <i>Total Credits:</i>                                     | <i>15</i>      | <i>Total Credits:</i>                                    | <i>14</i>      |

- This curriculum is designed to meet the requirements for the MRS Major, RADT concentration.
- <sup>1</sup>Professional courses
- <sup>2</sup>Minimum of 121 semester credit hours, minimum GPA per program requirement, and meet University sustainability and diversity courses are required for graduation.
- <sup>3</sup>Students must take at least one 3- credit elective course at the 100 level or above to meet program requirements. If you are completing a double major, minor, certificate, or fulfilling requirements for graduate school, please talk with your advisor.
- <sup>4</sup> Number of credits each spring semester will be determined by the RADT Program Director. The number of credits is based on the course start date.