Code # Enter text…

**Bulletin / Banner Change Transmittal Form**

**[x] Undergraduate Curriculum Council**

**[ ] Graduate Council**

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

Email completed proposals to [curriculum@astate.edu](mailto:curriculum@astate.edu) for inclusion in curriculum committee agenda.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | Deanna Barymon | 9/28/2017 |   **Department Curriculum Committee Chair** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **COPE Chair (if applicable)** |
| |  |  | | --- | --- | | Cheryl DuBose | 9/28/2017 |   **Department Chair:** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **General Education Committee Chair (If applicable)** |
| |  |  | | --- | --- | | Deanna Barymon | 9/28/2017 |   **College Curriculum Committee Chair** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Undergraduate Curriculum Council Chair** |
| |  |  | | --- | --- | | Susan Hanrahan | 9/28/2017 |   **College Dean** | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Graduate Curriculum Committee Chair** |
|  | |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

Dr. Cheryl Dubose, Chair

Dept. of Medical Imaging & Radiation Sciences

[cdubose@astate.edu](mailto:cdubose@astate.edu)

972-2772

**2.Proposed Change**

Delete HP 3413 Cultural Competency from the BSRS curriculum.

**3.Effective Date**

Spring 2018

**4.Justification –** *Please provide details as to why this change is necessary.*

The BSRS degree is over the 120 hour state limit. This will reduce the overall BSRS hours and will help facilitate our transition to a 3 year BSRS potential. Coverage of cultural competency and diversity are covered in the intro courses within the BSRS program and thus a separate course is no longer needed.

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)  - New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font).  - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)  *You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.*  *Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

Major in Radiologic Sciences

**Bachelor of Science in Radiologic Sciences**

**Emphasis in Cardiovascular-Interventional Technology**

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

|  |  |
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| University Requirements: | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| RT 1003, Making Connections in Radiology | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *BIO 2203* ***AND*** *2201, Human Anatomy and Physiology I and Laboratory*  *PSY 2013, Introduction to Psychology*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Major Requirements:** | **Sem. Hrs.** |
| HP 2013, Medical Terminology | 3 |
| ~~HP 3413, Cultural Competency~~ | ~~3~~ |
| RAD 2001, Intro to Medical Imaging | 1 |
| RAD 3103, Intro to Radiography | 3 |
| RAD 3113 **AND** RAD 3111, Radiographic Procedures I and Laboratory | 4 |
| RAD 3123, Radiation Physics and Imaging | 3 |
| RAD 3202, Imaging Equipment | 2 |
| RAD 3203 **AND** RAD 3201, Radiographic Procedures II and Laboratory | 4 |
| RAD 3213 **AND** RAD 3211, Image Acquisition & Evaluation I and Laboratory | 4 |
| RAD 3223, Sectional Anatomy | 3 |
| RAD 3233, Radiography Clinical I | 3 |
| RAD 4103 **AND** RAD 4101, Radiographic Procedures III and Laboratory | 4 |
| RAD 4113, Image Acquisition & Evaluation II | 3 |
| RAD 4123, Imaging Pathology | 3 |
| RAD 4132, Radiobiology | 2 |
| RAD 4143, Radiography Clinical II | 3 |
| RAD 4203, Radiography Clinical III | 3 |
| RAD 4213, Radiography Clinical IV | 3 |
| **Sub-total** | **~~54~~ 51** |
| **Emphasis Area (Cardiovascular-Interventional Technology):** | **Sem. Hrs.** |
| RS 3122, Legal & Regulatory Environment of Radiology | 2 |
| RS 3733, Geriatric Considerations in Radiology | 3 |
| RS 4343, Radiologic Administrative Concepts | 3 |
| RS 4413, Cardiovascular Equipment and Intervention | 3 |
| RS 4423, Cardiovascular-Interventional Procedures and Instrumentation | 3 |
| RS 4433, Cardiac Equipment and Intervention | 3 |
| RS 4443, Cardiac Physiology and Procedures | 3 |

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| RS 4443, Stats for Medical Imaging | 3 |
| RS 4444, Cardiac Clinic | 4 |
| RS 4454, Cardiovascular-Interventional Clinical Education | 4 |
| RS 4464, Cardiovascular-Interventional Internship | 4 |
| RS 4822, Psychosocial Factors in Healthcare | 2 |
| RSMR 4712, Imaging Information Management | 2 |
| **Sub-total** | **39** |
| **Required Support Courses:** | **Sem. Hrs.** |
| BIO 2223 **AND** 2221, Human Anatomy and Physiology II and Laboratory | **4** |
| **Total Required Hours:** | **~~135~~ 132** |

Major in Radiologic Sciences

**Bachelor of Science in Radiologic Sciences**

**Emphasis in Computed Tomography/Magnetic Resonance Imaging**

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

|  |  |
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| University Requirements: | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| RT 1003, Making Connections in Radiology | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *BIO 2203* ***AND*** *2201, Human Anatomy and Physiology I and Laboratory*  *PSY 2013, Introduction to Psychology*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Major Requirements:** | **Sem. Hrs.** |
| HP 2013, Medical Terminology | 3 |
| ~~HP 3413, Cultural Competency~~ | ~~3~~ |
| RAD 2001, Intro to Medical Imaging | 1 |
| RAD 3103, Intro to Radiography | 3 |
| RAD 3113 **AND** RAD 3111, Radiographic Procedures I and Laboratory | 4 |
| RAD 3123, Radiation Physics and Imaging | 3 |
| RAD 3202, Imaging Equipment | 2 |
| RAD 3203 **AND** RAD 3201, Radiographic Procedures II and Laboratory | 4 |
| RAD 3213 **AND** RAD 3211, Image Acquisition & Evaluation I and Laboratory | 4 |
| RAD 3223, Sectional Anatomy | 3 |
| RAD 3233, Radiography Clinical I | 3 |
| RAD 4103 **AND** RAD 4101, Radiographic Procedures III and Laboratory | 4 |
| RAD 4113, Image Acquisition & Evaluation II | 3 |
| RAD 4123, Imaging Pathology | 3 |
| RAD 4132, Radiobiology | 2 |
| RAD 4143, Radiography Clinical II | 3 |
| RAD 4203, Radiography Clinical III | 3 |
| RAD 4213, Radiography Clinical IV | 3 |
| **Sub-total** | **~~54~~ 51** |
| **Emphasis Area (CT/MRI):** | **Sem. Hrs.** |
| RS 4623, CT Instrumentation | 3 |
| RS 4633, CT Procedures | 3 |
| RS 4644, CT Clinical Education | 4 |
| RSMR 4703, MRI Instrumentation | 3 |
| RSMR 4712, Imaging Information Management | 2 |
| RSMR 4723, MRI Procedures I | 3 |
| RSMR 4733, MRI Procedures II | 3 |
| RSMR 4753, MRI Clinical Ed I | 3 |
| RSMR 4763, MRI Clinical Education II | 3 |
| RSMR 4803, MRI Physical Principles I | 3 |

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| RSMR 4813, MRI Physical Principles II | 3 |
| RSMR 4823, Data Acquisition and Processing | 3 |
| RSMR 4833, Advanced MRI Imaging | 3 |
| **Sub-total** | **39** |
| **Required Support Courses:** | **Sem. Hrs.** |
| BIO 2223 **AND** 2221, Human Anatomy and Physiology II and Laboratory | **4** |
| **Total Required Hours:** | **~~135~~ 132** |

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Major in Radiologic Sciences

**Bachelor of Science in Radiologic Sciences**

**Emphasis in Computed Tomography/Mammography**

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

|  |  |
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| University Requirements: | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| RT 1003, Making Connections in Radiology | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *BIO 2203* ***AND*** *2201, Human Anatomy and Physiology I and Laboratory*  *PSY 2013, Introduction to Psychology*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Major Requirements:** | **Sem. Hrs.** |
| HP 2013, Medical Terminology | 3 |
| ~~HP 3413, Cultural Competency~~ | ~~3~~ |
| RAD 2001, Intro to Medical Imaging | 1 |
| RAD 3103, Intro to Radiography | 3 |
| RAD 3113 **AND** RAD 3111, Radiographic Procedures I and Laboratory | 4 |
| RAD 3123, Radiation Physics and Imaging | 3 |
| RAD 3202, Imaging Equipment | 2 |
| RAD 3203 **AND** RAD 3201, Radiographic Procedures II and Laboratory | 4 |
| RAD 3213 **AND** RAD 3211, Image Acquisition & Evaluation I and Laboratory | 4 |
| RAD 3223, Sectional Anatomy | 3 |
| RAD 3233, Radiography Clinical I | 3 |
| RAD 4103 **AND** RAD 4101, Radiographic Procedures III and Laboratory | 4 |
| RAD 4113, Image Acquisition & Evaluation II | 3 |
| RAD 4123, Imaging Pathology | 3 |
| RAD 4132, Radiobiology | 2 |
| RAD 4143, Radiography Clinical II | 3 |
| RAD 4203, Radiography Clinical III | 3 |
| RAD 4213, Radiography Clinical IV | 3 |
| **Sub-total** | **~~54~~ 51** |
| **Emphasis Area (CT/Mammography):** | **Sem. Hrs.** |
| RS 4623, CT Instrumentation | 3 |
| RS 4633, CT Procedures | 3 |
| RS 4644, CT Clinical Ed | 4 |
| RS 3122, Legal and Regulatory Environ of Radiology | 2 |
| RS 3733, Geriatric Considerations in Radiology | 3 |
| RS 4363, Independent Study in the Rad Sciences | 3 |
| RS 4463, Statistics for Medical Imaging | 3 |
| RS 4502, Mammography Procedures | 2 |
| RS 4512, Mammography Instrumentation | 2 |
| RS 4553, Mammography Clinical Education I | 3 |

*The bulletin can be accessed at* [*http://www.astate.edu/a/registrar/students/*](http://www.astate.edu/a/registrar/students/)330

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| RS 4563, Mammography Clinical Education II | 3 |
| RS 4822, Psychosocial Factors in Healthcare | 2 |
| RSMR 4712, Imaging Information Management | 2 |
| **Sub-total** | **35** |
| **Required Support Courses:** | **Sem. Hrs.** |
| BIO 2223 **AND** 2221, Human Anatomy and Physiology II and Laboratory | **4** |
| **Total Required Hours:** | **~~131~~ 128** |

Major in Radiologic Sciences

**Bachelor of Science in Radiologic Sciences**

**Emphasis in Computed Tomography/Medical Imaging Informatics**

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| University Requirements: | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| RT 1003, Making Connections in Radiology | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *BIO 2203* ***AND*** *2201, Human Anatomy and Physiology I and Laboratory*  *PSY 2013, Introduction to Psychology*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Major Requirements:** | **Sem. Hrs.** |
| HP 2013, Medical Terminology | 3 |
| ~~HP 3413, Cultural Competency~~ | ~~3~~ |
| RAD 2001, Intro to Medical Imaging | 1 |
| RAD 3103, Intro to Radiography | 3 |
| RAD 3113 **AND** RAD 3111, Radiographic Procedures I and Laboratory | 4 |
| RAD 3123, Radiation Physics and Imaging | 3 |
| RAD 3202, Imaging Equipment | 2 |
| RAD 3203 **AND** RAD 3201, Radiographic Procedures II and Laboratory | 4 |
| RAD 3213 **AND** RAD 3211, Image Acquisition & Evaluation I and Laboratory | 4 |
| RAD 3223, Sectional Anatomy | 3 |
| RAD 3233, Radiography Clinical I | 3 |
| RAD 4103 **AND** RAD 4101, Radiographic Procedures III and Laboratory | 4 |
| RAD 4113, Image Acquisition & Evaluation II | 3 |
| RAD 4123, Imaging Pathology | 3 |
| RAD 4132, Radiobiology | 2 |
| RAD 4143, Radiography Clinical II | 3 |
| RAD 4203, Radiography Clinical III | 3 |
| RAD 4213, Radiography Clinical IV | 3 |
| **Sub-total** | **~~54~~ 51** |
| **Emphasis Area (CT/Medical Imaging Informatics):** | **Sem. Hrs.** |
| CIT 1503, Microcomputer Applications | 3 |
| CIT 2033, Programming Fundamentals | 3 |
| CIT 2523, Telecommunications and Networking | 3 |
| CIT 3013, Management Information Systems | 3 |
| CIT 3403, Database Management | 3 |
| CIT 4523, Advanced Telecommunications | 3 |
| CIT 4623, Computer Security | 3 |
| RS 3733, Geriatric Considerations in Radiology | 3 |
| RS 4362, Leadership Practicum in RIS | 2 |
| RS 4623, CT Instrumentation | 3 |

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| RS 4633, CT Procedures | 3 |
| RS 4644, CT Clinical Education | 4 |
| **Sub-total** | **36** |
| **Required Support Courses:** | **Sem. Hrs.** |
| BIO 2223 **AND** 2221, Human Anatomy and Physiology II and Laboratory | **4** |
| **Total Required Hours:** | **~~132~~ 129** |

Major in Radiologic Sciences

**Bachelor of Science in Radiologic Sciences**

**Emphasis in Diagnostic Medical Sonography**

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| University Requirements: | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| RT 1003, Making Connections in Radiology | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *BIO 2203* ***AND*** *2201, Human Anatomy and Physiology I and Laboratory*  *PSY 2013, Introduction to Psychology*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Major Requirements:** | **Sem. Hrs.** |
| HP 2013, Medical Terminology | 3 |
| ~~HP 3413, Cultural Competency~~ | ~~3~~ |
| RAD 2001, Introduction to Medical Imaging | 1 |
| RAD 3103, Introduction to Radiography | 3 |
| RAD 3113 **AND** RAD 3111, Radiographic Procedures I and Laboratory | 4 |
| RAD 3123, Radiation Physics and Imaging | 3 |
| RAD 3202, Imaging Equipment | 2 |
| RAD 3203 **AND** RAD 3201, Radiographic Procedures II and Laboratory | 4 |
| RAD 3213 **AND** RAD 3211, Image Acquisition and Evaluation I and Laboratory | 4 |
| RAD 3223, Sectional Anatomy | 3 |
| RAD 3233, Radiography Clinical I | 3 |
| RAD 4103 **AND** RAD 4101, Radiographic Procedures III and Laboratory | 4 |
| RAD 4113, Image Acquisition & Evaluation II | 3 |
| RAD 4123, Imaging Pathology | 3 |
| RAD 4132, Radiobiology | 2 |
| RAD 4143, Radiography Clinical II | 3 |
| RAD 4203, Radiography Clinical III | 3 |
| RAD 4213, Radiography Clinical IV | 3 |
| **Sub-total** | **~~54~~ 51** |
| **Emphasis Area (Diagnostic Medical Sonography):** | **Sem. Hrs.** |
| RSU 4112 – Sectional Anatomy Sonography | 2 |
| RSU 4122 – Small Parts Sonography | 2 |
| RSU 4132 – Small Parts Sonography Lab | 2 |
| RSU 4213 – Physics and Instrumentation I | 3 |
| RSU 4223 – Abdomen Sonography | 3 |
| RSU 4232 – Abdomen Sonography Laboratory | 2 |
| RSU 4322 – OBGYN Laboratory | 2 |
| RSU 4323 – Physics and Instrumentation II | 3 |
| RSU 4413 – Vascular Sonography | 3 |
| RSU 4422 – Vascular Sonography Laboratory | 2 |

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| RSU 4511 – Ultrasound Clinic I | 1 |
| RSU 4523 – Ultrasound Clinical Education II | 3 |
| RSU 4534 – Ultrasound Clinical Education III | 4 |
| RSU 4544 – Ultrasound Clinical Education IV | 4 |
| RSU 4551 – Sonography Clinical Relevancy | 1 |
| RSU 4613 – Obstetric and Gynecologic Sonography | 3 |
| RSU 4622 – Obstetric Sonography II | 2 |
| RSU 4652 – Special Procedures in Sonography | 2 |
| **Sub-total** | **44** |
| **Required Support Courses:** | **Sem. Hrs.** |
| BIO 2223 **AND** 2221, Human Anatomy and Physiology II and Laboratory | **4** |
| **Total Required Hours:** | **140 137** |

Major in Radiologic Sciences

**Bachelor of Science in Radiologic Sciences**

**Emphasis in Radiation Therapy**

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| University Requirements: | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| RT 1003, Making Connections in Radiology | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *BIO 2203* ***AND*** *2201, Human Anatomy and Physiology I and Laboratory*  *PSY 2013, Introduction to Psychology*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Major Requirements:** | **Sem. Hrs.** |
| HP 2013, Medical Terminology | 3 |
| ~~HP 3413, Cultural Competency~~ | ~~3~~ |
| RAD 2001, Intro to Medical Imaging | 1 |
| RAD 3103, Intro to Radiography | 3 |
| RAD 3113 **AND** RAD 3111, Radiographic Procedures I and Laboratory | 4 |
| RAD 3123, Radiation Physics and Imaging | 3 |
| RAD 3202, Imaging Equipment | 2 |
| RAD 3203 **AND** RAD 3201, Radiographic Procedures II and Laboratory | 4 |
| RAD 3213 **AND** RAD 3211, Image Acquisition & Evaluation I and Laboratory | 4 |
| RAD 3223, Sectional Anatomy | 3 |
| RAD 3233, Radiography Clinical I | 3 |
| RAD 4103 **AND** RAD 4101, Radiographic Procedures III and Laboratory | 4 |
| RAD 4113, Image Acquisition & Evaluation II | 3 |
| RAD 4123, Imaging Pathology | 3 |
| RAD 4132, Radiobiology | 2 |
| RAD 4143, Radiography Clinical II | 3 |
| RAD 4203, Radiography Clinical III | 3 |
| RAD 4213, Radiography Clinical IV | 3 |
| **Sub-total** | **~~54~~ 51** |
| **Emphasis Area (Radiation Therapy):** | **Sem. Hrs.** |
| RST 4203, Intro to Radiation Therapy | 3 |
| RST 4214, Radiation Therapy Principles and Practice | 4 |
| RST 4224, Radiation Therapy Principles and Practice II | 4 |
| RST 4234, Radiation Therapy Principles and Practice III | 4 |
| RST 4242, Rad Therapy Clinical Treatment Planning | 2 |
| RST 4313, Radiation Physics I | 3 |
| RST 4323, Radiation Physics II | 3 |
| RST 4333, Applied Radiation Biology | 3 |
| RST 4413, Rad Protection, Safety, and Quality Management | 3 |
| RST 4513, Radiation Therapy Clinical Education I | 3 |

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| RST 4523, Radiation Therapy Clinical Education II | 3 |
| RST 4533, Radiation Therapy Clinical Education III | 3 |
| **Sub-total** | **38** |
| **Required Support Courses:** | **Sem. Hrs.** |
| BIO 2223 **AND** 2221, Human Anatomy and Physiology II and Laboratory | **4** |
| **Total Required Hours:** | **~~134~~ 131** |