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| For Academic Affairs and Research Use Only |
| Proposal Number | NHP25 |
| CIP Code:  |  |
| Degree Code: |  |

**PROGRAM MODIFICATION FORM**

**[ x ] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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| **Modification Type: [ ]Admissions, [ x ]Curricular Sequence, or [ ]Other**  |

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

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| Deanna Barymon | 3/10/2023 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Cheryl DuBose | 3/15/2023 |

**Department Chair**  |

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**Head of Unit (if applicable)**   |
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| \_\_\_\_Amy Hyman\_\_\_\_ | 03/28/2023 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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**Director of Assessment** *(only for changes impacting assessment)* |

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**Graduate Curriculum Committee Chair** |
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| \_Scott E. Gordon\_ | 3-29-23 |

**College Dean** |

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| \_\_ Len Frey \_\_\_\_\_\_\_\_\_\_\_ | 4/20/23 |

**Vice Chancellor for Academic Affairs** |
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**General Education Committee Chair (if applicable)**   |  |

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

Jody Nutt, jnutt@astate.edu, 870-680-8592

1. **Proposed Change** (for undergraduate curricular changes please provide an 8-semester plan (appendix A), if applicable)

Add RS 3102 Introduction to 3D Printing in Medicine and RS 3103 3D Printing Design in Medicine as course options for the Certificate of Proficiency in Radiologic Sciences Administration.

1. **Effective Date**

Fall 2023

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

The addition of two courses, RS 3102 Introduction to 3D Printing in Medicine and RS 3103 3D Printing Design in Medicine, as options to meet requirements for the Certificate in Radiologic Sciences Administration will give students the opportunity to learn about the technology of 3D printing, as it applies to radiology.

**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. Please include a before (with changed areas highlighted) and after of all affected sections.** **\*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.**  |

**ORIGINAL:** [**https://catalog.astate.edu/preview\_program.php?catoid=3&poid=682&returnto=77**](https://catalog.astate.edu/preview_program.php?catoid=3&poid=682&returnto=77)

**Certificate of Proficiency in Radiologic Sciences Administration**

The program will provide students with the fundamental leadership principles needed to direct a

Medical Imaging and Therapy department or outpatient center.

A certificate of proficiency is awarded to those students who complete the required coursework

and who meet RT(R) or BSRS graduation requirements.

Required Courses:

Students must also meet RT(R) or BSRS graduation requirements.

RS 3142, Advanced Imaging and Therapy I Sem. Hrs: 2

RS 3152, Advanced Imaging and Therapy II Sem. Hrs: 2

RS 4343, Radiologic Administrative Concepts Sem. Hrs: 3

RS 436V, Independent Study Sem. Hrs: ~~Variable~~ 1

 Select 1 of the following:

RS 3103- 3D Printing Design in Medicine Sem. Hrs: 3 (RS 3102 is a prerequisite) OR

 RS 4463, Statistics for Medical Imaging Sem. Hrs: 3

Select 2 of the following:

RS 3102- Introduction to 3D Printing in Medicine Sem. Hrs: 2 OR

RS 4822, Psychosocial Factors in Health Care Delivery Sem. Hrs: 2 OR

 RS 3122, Legal and Regulatory Environment of Radiology Sem. Hrs: 2

Total Required Hours: 15

**AFTER:**

**Certificate of Proficiency in Radiologic Sciences Administration**

The program will provide students with the fundamental leadership principles needed to direct a Medical Imaging and Therapy department or outpatient center.

A certificate of proficiency is awarded to those students who complete the required coursework and who meet RT(R) or BSRS graduation requirements.

REQUIRED COURSES:

Students must also meet RT(R) or BSRS graduation requirements.

RS 3142 - Advanced Imaging and Therapy I **Sem. Hrs: 2**

RS 3152 - Advanced Imaging and Therapy II **Sem. Hrs: 2**

RS 4343 - Radiologic Administrative Concepts **Sem. Hrs: 3**

RS 436V - Independent Study in Radiologic Sciences **Sem. Hrs: 1**

 Select 1 of the following:

RS 4463 - Statistics for Medical Imaging **Sem. Hrs: 3** OR

RS 3103- 3D Printing Design in Medicine **Sem. Hrs: 3** (RS 3102 is a prerequisite)

Select 2 of the following:

RS 3102- Introduction to 3D Printing in Medicine **Sem. Hrs: 2** OR

RS 3122 - Legal and Regulatory Environment of Radiology **Sem. Hrs: 2** OR

RS 4822 - Psychosocial Factors in Health Care Delivery **Sem. Hrs: 2**

TOTAL REQUIRED HOURS: 15

**Appendix A, 8-Semester Plan**

(**Referenced in #2** - **Undergraduate Proposals Only)**

*Instructions: Please identify new courses in italics*.

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| **Arkansas State University-Jonesboro****Degree:****Major:****Year:** |
| Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. **Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters.** A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree. |
| **Year 1** |  | **Year 1** |
| **Fall Semester** |  | **Spring Semester** |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
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| **Year 2** |  | **Year 2** |
| **Fall Semester** |  | **Spring Semester** |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
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| **Total Hours** |  |  |  |  | **Total Hours** |  |  |  |
| **Year 3** |  | **Year 3** |
| **Fall Semester** |  | **Spring Semester** |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
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| **Year 4** |  | **Year 4** |
| **Fall Semester** |  | **Spring Semester** |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
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| **Total Hours** |  |  |  |  | **Total Hours** |  |  |  |
| **Total Jr/Sr Hours \_\_\_ Total Degree Hours \_\_\_** |
| **Graduation Requirements:** |