

**SOUTH DAKOTA BOARD OF REGENTS**

**Academic and Student Affairs**  
**Consent**

**AGENDA ITEM: 5 – B (3)**  
**DATE: April 3-4, 2024**

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**SUBJECT**

**New Specialization Request – USD – Specialization in Radiologic Technology – BS in Health Sciences**

**CONTROLLING STATUTE, RULE, OR POLICY**

[BOR Policy 2.3.2](#) – New Programs, Program Modifications, and Inactivation/Termination

**BACKGROUND / DISCUSSION**

The University of South Dakota (USD) requests authorization to offer a specialization in Radiologic Technology within BS in Health Sciences program. Radiographers perform x-rays and other diagnostic imaging examinations on patients. This specialization will include coursework that transfers from area hospital-based Radiologic Technologist programs, including Avera McKenna School of Radiologic Technology, Avera Sacred Heart School of Radiologic Technology, and Sanford Medical Center School of Radiologic Technology. Through articulation agreements that USD has in place for the BS in Health Sciences program, students will attend USD for two years, and then attend the hospital-based radiology technology program for two years.

**IMPACT AND RECOMMENDATION**

USD requests authorization to offer the specialization on campus and online, as well as at the hospital sites. USD is not requesting additional state resources to offer the program. Five new courses will be required, but will all be completed at the hospital-based program.

Board office staff recommends approval of the program.

**ATTACHMENTS**

Attachment I – New Specialization Request Form: USD – Radiologic Technology – Health Sciences (BS)

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**DRAFT MOTION 20240403\_5-B(3):**

I move to authorize USD to offer a specialization in Radiologic Technology within the BS in Health Sciences program, as presented.



**SOUTH DAKOTA BOARD OF REGENTS  
ACADEMIC AFFAIRS FORMS**

## New Specialization

<b>UNIVERSITY:</b>	<b>USD</b>
<b>TITLE OF PROPOSED SPECIALIZATION:</b>	<b>Radiologic Technology</b>
<b>NAME OF DEGREE PROGRAM IN WHICH SPECIALIZATION IS OFFERED:</b>	<b>Health Sciences (B.S.)</b>
<b>INTENDED DATE OF IMPLEMENTATION:</b>	<b>Fall 2024</b>
<b>PROPOSED CIP CODE:</b>	<b>51.000</b>
<b>UNIVERSITY DEPARTMENT:</b>	<b>Public Health &amp; Health Sciences</b>
<b>BANNER DEPARTMENT CODE:</b>	<b>UHSC</b>
<b>UNIVERSITY DIVISION:</b>	<b>School of Health Sciences</b>
<b>BANNER DIVISION CODE:</b>	<b>2H</b>

<b>X</b>	<p><b>Please check this box to confirm that (place an “X” in the left box):</b></p> <ul style="list-style-type: none"> <li>The individual preparing this request has read <a href="#">AAC Guideline 2.6</a>, which pertains to new specialization requests, and that this request meets the requirements outlined in the guidelines.</li> <li>This request will not be posted to the university website for review of the Academic Affairs Committee until it is approved by the Executive Director and Chief Academic Officer.</li> </ul>
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### University Approval

*To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.*

*Elizabeth M. Freeburg*

*12/4/2023*

\_\_\_\_\_  
Institutional Approval Signature

\_\_\_\_\_  
Date

*President or Chief Academic Officer of the University*

### 1. Level of the Specialization (place an “X” before the specialization):

x	Baccalaureate		Master’s		Doctoral
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### 2. What is the nature/purpose of the proposed specialization? Please include a brief (1-2 sentence) description of the academic field in this specialization.

The Department of Public Health & Health Sciences requests approval for a new specialization in our B.S. in Health Sciences degree program in Radiologic Technology. Radiologic technologists are trained in the use of different types of medical diagnostic equipment. Radiologic technologists, also known as *radiographers*, perform x-rays and other diagnostic imaging examinations on patients. This specialization will include coursework that transfers from area hospital-based Radiologic Technologist programs, including Avera McKennan School of Radiologic Technology, Avera Sacred Heart School of Radiologic Technology, and Sanford Medical Center School of Radiologic Technology. USD Health Sciences currently has articulation agreements with the Avera

McKenna's and Sanford Medical Center's hospital-based programs for block transfer of credits toward a BS in Health Sciences degree. With this Radiologic Technology specialization, students will attend USD for two years, and then attend the hospital-based radiology technology program for two years.

**3. Provide a justification for the specialization, including the potential benefits to students and potential workforce demand for those who graduate with the credential.**

*For workforce related information, please provide data and examples. Data may include, but are not limited to the South Dakota Department of Labor, the US Bureau of Labor Statistics, Regental system dashboards, etc. Please cite any sources in a footnote.*

Hospital-based Radiology Technology programs must partner with an institution of higher education and the USD School of Health Sciences is a perfect fit to partner with these clinical-based programs to ensure graduates can sit for the American Registry of Radiologic Technologists certification exam upon completion of their BS degree in Health Sciences. The specialization will help fill a healthcare workforce need in South Dakota for radiologic technologists. The South Dakota Department of Labor and Regulation projects that each year, South Dakota will need an average of 56 Radiologic Technologists and Technicians per year. The U.S. Bureau of Labor Statistics reports a 6% growth rate in the next 10 years.

With this specialization, students can take advantage of the articulation agreements that USD currently has, while also obtaining financial aid through USD via a contractual agreement with the hospital-based programs, instead of through a third party, such as Southeast Technical College, as in the past. In addition, this specialization will allow the Dept. of Public Health and Health Sciences the capability to pursue additional articulation agreements with other programs, including the Avera Sacred Heart Radiologic Technology Program in Yankton. Avera Sacred Heart Hospital is eager to form a partnership with USD to allow more students to pursue this career.

The specialization will not require new resources; it will allow for a more seamless transfer of credit from the hospital-based program to USD each semester instead of via a block at the end of their education.

**4. List the proposed curriculum for the specialization (including the requirements for completing the major – highlight courses in the specialization):**

Prefix	Number	Course Title	Credit Hours	New (yes, no)
HSC	110	The Interprofessional Team	3	No
HSC	305	Professional Communication and Relationship-Centered Care	3	No
HSC	310	Health Care Delivery	3	No
PUBH	315	Introduction to Public Health	3	No
HSC	350	Principles of Health Care	3	No
HSC	360	Technology in Care Delivery	3	No
HSC	380	Health Literacy and Culture Care	3	No
HSC	450	Patient Safety-Quality Improvement	3	No
HSC	460	Leading Change	3	No
<b>Select one of the following science sequences (8 cr.)</b>				
PHGY	220/220L	Human Physiology and Integrated Anatomy I [SGR #6]	4	No
PHGY	230/230L	Human Physiology and Integrated Anatomy II [SGR #6]	4	No

Prefix	Number	Course Title	Credit Hours	New (yes, no)
<b>or</b>				
HSC	280/280L	Essentials of Human Anatomy and Physiology [SGR #6]	5	No
HSC	281	Human Disease	3	No
<b>Select three of the following courses (9 credit hours total) or select a major track with a Health Sciences Specialization.</b>				
HSC	111	Introduction to Research	3	No
SPAN	120	Medical Spanish I	3	No
SPAN	121	Medical Spanish II	3	No
HSC	222	Undergraduate Research I	3	No
HSC	250	Healthcare Terms in the Clinical Setting	3	No
HSC	262	Health Careers Exploration	3	No
HSC	275	Comparative Cultures, Theory, and Leadership (Travel)	3	No
HSC	306	Spanish for Healthcare Workers	3	No
HSC	312	Undergraduate Research II	3	No
PUBH	320	Introduction to Epidemiology	3	No
PUBH	325	Global Health	3	No
HSC	330	Native People's Health Care, Promotion, and Policy	3	No
NATV	330	Native People's Health Care, Promotion, and Policy	3	No
HSC	340	Interprofessional Approach to Person-Centered Care	3	No
HSC	365	Universal Supports in Disability Services	3	No
HSC	370	Computerized Medical Record & Regulatory Compliance	3	No
HSC	375	The United States and Global Healthcare Systems	3	No
HSC	385	History and Intro. to Disability	3	No
HSC	400	Clinical Analytics	3	No
HSC	440	Evidence Based Decision Making	3	No
HSC	475	Process and Outcome Evaluation	3	No
HSC	494	Internship	1-12	No
HSC	498	Undergraduate Research/Scholarship (C)	1-6	No
<b>Radiologic Technology Specialization Coursework – Must be completed at an approved hospital-based program</b>				
HSC	481	Radiologic Technology Patient Care & Education	3	Yes
HSC	482	Radiologic Technology Anatomy & Physiology	6	Yes
HSC	483	Imaging Procedures I	9	Yes
HSC	484	Imaging Procedures II	6	Yes
HSC	485	Radiation Science	6	Yes
HSC	494	Internship: Applied Clinical Radiology	18*	No

\*HSC 494 Internship: Applied Clinical Radiology taken over two semesters (12 + 6)

Total number of hours required for completion of specialization	48
Total number of hours required for completion of major	44
Total number of hours required for completion of degree	120

## 5. Delivery Location

*Note: The accreditation requirements of the Higher Learning Commission (HLC) require Board approval for a university to offer programs off-campus and through distance delivery.*

**A. Complete the following charts to indicate if the university seeks authorization to deliver the entire program on campus, at any off campus location (e.g., UC Sioux Falls, Capital University Center, Black Hills State University-Rapid City, etc.) or deliver the entire specialization through distance technology (e.g., as an on-line program)?**

	Yes/No	Intended Start Date
<b>On campus</b>	Yes	Existing major

	Yes/No	If Yes, list location(s)	Intended Start Date
<b>Off campus</b>	Yes	Avera McKennan Avera Sacred Heart Sanford Medical Center	<b>Fall 2024</b>

	Yes/No	If Yes, identify delivery methods <i>Delivery methods are defined in <a href="#">AAC Guideline 5.5</a>.</i>	Intended Start Date
<b>Distance Delivery (online/other distance delivery methods)</b>	Yes	Existing BS in Health Sciences curriculum is offered online and F2F in Sioux Falls and Vermillion. The Radiologic Tech Specialization courses will be distance delivery only at the three hospitals listed above.	

**B. Complete the following chart to indicate if the university seeks authorization to deliver more than 50% but less than 100% of the specialization through distance learning (e.g., as an on-line program)? This question responds to HLC definitions for distance delivery.**

	Yes/No	If Yes, identify delivery methods	Intended Start Date
<b>Distance Delivery (online/other distance delivery methods)</b>	Yes	Existing BS in Health Sciences curriculum is offered online and F2F in Sioux Falls and Vermillion. The Radiologic Tech Specialization courses will be distance delivery only at the three hospitals listed above.	

#### 6. Additional Information:

*Additional information is optional. Use this space to provide pertinent information not requested above. Limit the number and length of additional attachments. Identify all attachments with capital letters. Letters of support are not necessary and are rarely included with Board materials. The University may include responses to questions from the Board or the Executive Director as appendices to the original proposal where applicable. Delete this item if not used.*