

SOUTH DAKOTA BOARD OF REGENTS

Academic and Student Affairs
Consent

AGENDA ITEM: 6 – D (2)
DATE: August 2-4, 2022

SUBJECT

New Graduate Certificate Request – DSU – Data Privacy

CONTROLLING STATUTE, RULE, OR POLICY

[BOR Policy 2:23](#) – Program and Curriculum Approval

BACKGROUND / DISCUSSION

Dakota State University (DSU) requests authorization to offer a graduate certificate in Data Privacy. The certificate would provide students in a variety of computer science disciplines a body of specialized knowledge or information in data privacy, along with the development of a specific data privacy skill set. The certificate will serve as both a stand-alone credential and a value-added credential that supports students’ major field of study.

IMPACT AND RECOMMENDATION

DSU plans to offer the certificate in Data Privacy on campus and online. DSU does not request new state resources. One new course will be required.

Board office staff recommends approval.

ATTACHMENTS

Attachment I – New Certificate Request Form: DSU – Data Privacy

DRAFT MOTION 20220802_6-D(2):

I move to authorize DSU to offer a graduate certificate in Data Privacy, as presented.



SOUTH DAKOTA BOARD OF REGENTS ACADEMIC AFFAIRS FORMS

New Certificate

| | |
|---|---|
| UNIVERSITY: | DSU |
| TITLE OF PROPOSED CERTIFICATE: | Data Privacy |
| INTENDED DATE OF IMPLEMENTATION: | Fall 2022 |
| PROPOSED CIP CODE: | 11.1003 |
| UNIVERSITY DEPARTMENT: | The Beacom College of Computer and Cyber Sciences |
| UNIVERSITY DEPARTMENT CODE: | 8N DCOC |
| UNIVERSITY DIVISION: | Computer Science |
| UNIVERSITY DIVISION CODE: | DCSC |

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.

5/16/2022

Institutional Approval Signature

Date

President or Chief Academic Officer of the University

1. Is this a graduate-level certificate or undergraduate-level certificate (place an "X" in the appropriate box)?

Undergraduate Certificate

Graduate Certificate

2. What is the nature/purpose of the proposed certificate?

To provide graduate students in a variety of disciplines (Cyber Defense, Cyber Security, Cyber Operations, Network Security, Computer Science, Artificial Intelligence, etc.) a body of specialized knowledge or information in data privacy along with the development of a specific data privacy skill set. This certificate will serve as a standalone education credential option for students not seeking additional credentials (i.e., bachelor's or master's degree), but will also serve as a value-added credential that supplements a graduate student's major field of study. This certificate addresses an area of high workforce demand with a specialized body of knowledge in the emerging field of data privacy.

3. Provide a justification for the certificate program, including the potential benefits to students and potential workforce demand for those who graduate with the credential.¹

Data privacy risks are everywhere as big tech, governments, and businesses alike race to understand and address data privacy concerns. One of the more recent emerging trends in computer and cyber sciences is the increasingly common perception of privacy as a product. This idea is a departure from how many educators, developers and tech executives regard privacy practices. The drive for innovation often overlooks privacy and the data privacy initiative can bridge the gap, becoming not only an insurance policy against lapses in privacy compliance but helping educators and builders build more robust products users can trust. The certificate will provide theory and skills in privacy assessment and will also bring into play concepts of data minimization, obfuscation, abstraction, aggregation and integration of user controls. We have a reliance on security, but security doesn't equal privacy. There are 17 data privacy harms which need specific attention, and this certificate will address the management and technology practices to address this skill gap. This graduate certificate will add to cybersecurity students and professionals a new community of practice (very much needed), an information infrastructure, and will help bridge the gap between those in policy with those in technology.

4. Who is the intended audience for the certificate program (including but not limited to the majors/degree programs from which students are expected)?

This graduate certificate is intended as an add-on in existing graduate programs (e.g., Computer Science, Cyber Defense, Information Systems), it is intended as a stand-alone supplement for professionals currently working in the cyber world, and it will work as a logical extension to specific undergraduate programs like Cyber Leadership and Intelligence.

5. List the courses required for completion of the certificate in the table below (if any new courses are proposed for the certificate, please attach the new course requests to this form):²

| Prefix | Number | Course Title | Credit Hours | New (yes, no) |
|----------|--------|---------------------------|--------------|---------------|
| INFA | 702 | Data Privacy | 3 | No |
| INFA | 722 | Data Privacy Management | 3 | No |
| INFA | 726 | Data Privacy Technologies | 3 | Yes |
| INFA | 742 | Cyber Ethics | 3 | No |
| Subtotal | | | 12 | |

¹ For workforce related information, please provide data and examples; data sources may include but are not limited to the South Dakota Department of Labor, the US Bureau of Labor Statistics, Regental system dashboards, etc.

² Regental system certificate programs typically are a subset of the curriculum offered in degree programs, include existing courses, and involve 9-12 credits for completion. Deviations from these guidelines require justification and approval.

6. Student Outcome and Demonstration of Individual Achievement.³

- A. What specific knowledge and competencies, including technology competencies, will all students demonstrate before graduation? *The knowledge and competencies should be specific to the program and not routinely expected of all university graduates.*

Please note, there is no graduation when students finish the course requirements for the certificate. At the completion of the certificate, we expect students will have an augmented set of skills, knowledge and attitudes, as reflected in these intended outcomes:

| Individual Student Outcome (Same as in the text of the proposal) | INFA 702 | INFA 722 | INFA 726 | INFA 742 |
|--|-------------|-------------|-------------|-------------|
| Analyze the impact of digital rights and responsibilities on the uses of personal data | X | X | | X |
| Develop a common base of operational competences for personal data protection | X | X | X | |
| Train people to navigate the digital environment with risk awareness | | X | X | X |

- B. Complete Appendix A – Outcomes using the system form. *Outcomes discussed below should be the same as those in Appendix A.*

See above table.

7. Delivery Location.⁴

- 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 program through distance technology (e.g., as an on-line program)?

| | Yes/No | Intended Start Date |
|------------------|--------|---------------------|
| On campus | Yes | Fall 2022 |

| | Yes/No | If Yes, list location(s) | Intended Start Date |
|-------------------|--------|--------------------------|---------------------------------|
| Off campus | No | | Choose an item. Choose an item. |

| | Yes/No | If Yes, identify delivery methods ⁵ | Intended Start Date |
|---|--------|--|---------------------|
| Distance Delivery (online/other distance delivery methods) | Yes | Asynchronous online delivery | Fall 2022 |

³ Board Policy 2:23 requires certificate programs to “have specifically defined student learning outcomes.”

⁴ The accreditation requirements of the Higher Learning Commission (HLC) require Board approval for a university to offer programs off-campus and through distance delivery.

⁵ Delivery methods are defined in [AAC Guideline 5.5](#).

B. Complete the following chart to indicate if the university seeks authorization to deliver more than 50% but less than 100% of the certificate through distance learning (e.g., as an on-line program)?⁶

| | Yes/No | <i>If Yes, identify delivery methods</i> | <i>Intended Start Date</i> |
|---|---------------|---|-----------------------------------|
| Distance Delivery (online/other distance delivery methods) | No | | |

⁶ This question responds to HLC definitions for distance delivery.