



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

**Institutional Substantive Program Modification Requests**

**Institution:** Dakota State University **Date:** 6/21/2022

Institutional representatives should provide direct links to PDF documents for each of the program modification requests represented below. All requests should be posted on the campus Curriculum and Instruction website one week prior to the Academic Affairs Council meeting where the program modification request is being considered.

<i>Program Title</i>	<i>Approval</i>
<a href="#">PhD in Cyber Defense</a>	PC

Program modifications referenced above for approval have been reviewed by the Academic Affairs Council and the System Vice President for Academic Affairs and may be advanced forward for entry in the student information system. For those program modifications listed above that did not receive approval, additional clarification or justification will be necessary and should be re-routed through the review process on a separate "Institutional Substantive Program Modification Requests" form once all issues have been resolved.

*Pamela Carneiro*

**Signature: System Vice President for Academic Affairs**

9/21/22

**Date**



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**Substantive Program Modification Form**

Use this form to request minor changes in existing programs (majors, minors, certificates, or specializations).

<b>UNIVERSITY:</b>	DSU
<b>CURRENT PROGRAM DEGREE:</b>	Ph.D.
<b>CURRENT PROGRAM MAJOR/MINOR:</b>	Cyber Defense
<b>CURRENT SPECIALIZATION (If applicable):</b>	
<b>CIP CODE:</b>	111003
<b>UNIVERSITY DEPARTMENT:</b>	Computer Science
<b>BANNER DEPARTMENT CODE:</b>	DCSI
<b>UNIVERSITY COLLEGE:</b>	Beacom College of Computer and Cyber Sciences
<b>BANNER COLLEGE CODE:</b>	8N

**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.*

\_\_\_\_\_  
Vice President of Academic Affairs or  
President of the University

6/13/2022

\_\_\_\_\_  
Date

**1. This modification addresses a change in (place an "X" in the appropriate box):**

- |                                                                           |                                                                  |
|---------------------------------------------------------------------------|------------------------------------------------------------------|
| <input type="checkbox"/> Total credits required within the discipline     | <input type="checkbox"/> Total credits of supportive course work |
| <input checked="" type="checkbox"/> Total credits of elective course work | <input type="checkbox"/> Total credits required for program      |
| <input type="checkbox"/> Program name                                     | <input type="checkbox"/> Existing specialization                 |
| <input type="checkbox"/> CIP Code                                         | <input type="checkbox"/> Other (explain below)                   |

**2. Effective date of change: 5/16/2022**

**3. Program Degree Level (place an "X" in the appropriate box):**

Associate  Bachelor's  Master's  Doctoral

**4. Category (place an "X" in the appropriate box):**

Certificate  Specialization  Minor  Major

**5. If a name change is proposed, the change will occur (place an "X" in the appropriate box):**

- On the effective date for all students
- On the effective date for students new to the program (enrolled students will graduate from existing program)

**Proposed new name:** \_\_\_\_\_

*Reminder: Name changes may require updating related articulation agreements, site approvals, etc.*

**6. Primary Aspects of the Modification (add lines or adjust cell size as needed):**

<i>Existing Curriculum</i>				<i>Proposed Curriculum (highlight changes)</i>			
Prof.	Num.	Title	Cr. Hrs.	Prof.	Num.	Title	Cr. Hrs.
Required Courses			24	Required Courses			21
INFA	702	Data Privacy	3	INFA	702	Data Privacy	3
<del>INFA</del>	<del>710</del>	<del>Cybersecurity Program Design Implementation</del>	<del>3</del>				
INFA	713	Managing Security Risks	3	INFA	713	Managing Security Risks	3
INFA	720	Incident Response	3	INFA	720	Incident Response	3
INFA	721	Computer Forensics	3	INFA	721	Computer Forensics	3
INFA	730	Physical Security	3	INFA	730	Physical Security	3
INFA	731	Personal Security	3	INFA	731	Personal Security	3
INFA	733	Vendor Management	3	INFA	733	Vendor Management	3
INFA	754	Intrusion Detection	3	INFA	754	Intrusion Detection	3
INFA	758	Security Metrics	3	INFA	758	Security Metrics	3
Electives			12	Electives			15
BADM	765	Management & Leadership	3	BADM	765	Management & Leadership	3
CSC	748	Software Exploitation	3	CSC	748	Software Exploitation	3
CSC	791	IS: Collaboration Cyber Security Research	3	CSC	791	IS: Collaboration Cyber Security Research	3
				<b>CSC</b>	<b>890</b>	<b>Seminar (1 credit each)</b>	<b>3</b>
				<b>INFA</b>	<b>722</b>	<b>Data Privacy Management</b>	<b>3</b>
INFA	723	Cryptography	3	INFA	723	Cryptography	3
				<b>INFA</b>	<b>726</b>	<b>Data Privacy Technology</b>	<b>3</b>
INFA	735	Offensive Security	3	INFA	735	Offensive Security	3
INFA	742	Ethics and Information Technology	3	INFA	742	Ethics and Information Technology	3
INFA	745	Compliance and Audit	3	INFA	745	Compliance and Audit	3
INFA	751	Wireless Security	3	INFA	751	Wireless Security	3
INFA	792	Topics	3	INFA	792	Topics	3
INFA	794	Internship	3	INFA	794	Internship	3

Research Core				<del>9</del>	Research Core				12
CSC	803	Intro to Cyber Security Research	3	CSC	803	Intro to Cyber Security Research	3		
CSC	804	Cyber Security Research Methodologies	3	CSC	804	Cyber Security Research Methodologies	3		
CSC	807	Cyber Security Research	3	CSC	807	Cyber Security Research	3		
				CSC	808	Mixed Research Methods for Computer and Cyber Sciences: Design and Implementation	3		
Dissertation				<del>27</del>	Dissertation				24
CSC	809	Dissertation Preparation	3	CSC	809	Dissertation Preparation	3		
CSC	890	Seminar (1 credit each)	3	CSC	890	On-site Seminar (1 credit each)	3		
CSC	898D	Dissertation	21	CSC	898D	Dissertation	18		
Total number of hours required for major, minor, or specialization				72	Total number of hours required for major, minor, or specialization				72
Total number of hours required for degree				72	Total number of hours required for degree				72

7. **Explanation of the Change:** INFA 710 is being removed from the core. INFA 722, INFA 726 and CSC 890 are being added to the elective list and that electives are increasing by 3 credits. Research core is being increased to add the new CSC 808 course. Dissertation credits are being adjusted.