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|  | **SOUTH DAKOTA BOARD OF REGENTS**  ACADEMIC AFFAIRS FORMS |
| Minor Program Modification |
|  |  |

Use this form to request minor changes in existing programs (majors, minors, certificates, or specializations). The university Vice President for Academic Affairs approves minor program modifications and they are included in the Annual Minor Program Modification Summary form.

|  |  |
| --- | --- |
| **UNIVERSITY:** | DSU |
| **PROGRAM TITLE:** | BS Cyber Operations |
| **CIP CODE:** |  |
| **UNIVERSITY DEPARTMENT:** | Computer Science |
| **BANNER DEPARTMENT CODE:** | DCSC |
| **UNIVERSITY DIVISION:** | Beacom College of Computer and Cyber Sciences |
| **BANNER DIVISION CODE:** | DCOC |

**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.*

|  |  |  |
| --- | --- | --- |
| A picture containing text  Description automatically generated |  | 9/23/2025 |
| Vice President of Academic Affairs or President of the University |  | Date |

|  |
| --- |
|  |

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | Course *deletions* that do not change the nature of the program, or distribution of courses in the program, or change of total credit hours required |  | Course *additions* that do not change the nature of the program, or distribution of courses in the program, or change of total credit hours required |
|  |  |  |  |
|  | Revised courses in the program. |  |  |

1. **Effective date of change: 5/11/2026**
2. **Program Degree Level (*place an “X” in the appropriate box*):**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Associate |  | Bachelor’s |  | Master’s |  | Doctoral |  |

1. **Category (*place an “X” in the appropriate box*):**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Certificate |  | Specialization |  | Minor |  | Major |  |

1. **Is the program associated with a current articulation agreement?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Yes |  |  | No |  |

* 1. **If yes, will the articulation agreement need to be updated with the partner institution as a result of this minor program modification? Why or why not?**

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Existing Curriculum* | | | | *Proposed Curriculum (highlight changes)* | | | | | |
| **Pref.** | **Num.** | **Title** | **Cr.**  **Hrs.** |  | **Pref.** | | **Num.** | **Title** | **Cr. Hr.** |
| **General Education** | | | **30** |  | **General Education** | | | | **30** |
| **Required Courses** | | | **78** |  | **Required Courses** | | | | **78** |
| CSC | 105 | Intro to Computers | 3 |  | CSC | | 105 | Intro to Computers | 3 |
| CSC | 134 | Intro to Cyber | 3 |  | CSC | | 134 | Intro to Cyber | 3 |
| CSC | 150 | Computer Science I | 3 |  | CSC | | 150 | Computer Science I | 3 |
| CSC | 163 | Hdw, Virtualization/Data Com | 3 |  | CSC | | 163 | Hdw, Virtualization/Data Co | 3 |
| CSC | 234 | Software Security | 3 |  | CSC | | 234 | Software Security | 3 |
| CSC | 250 | Computer Science II | 3 |  | CSC | | 250 | Computer Science II | 3 |
| CSC | 285 | Networking I | 3 |  | CSC | | 285 | Networking I | 3 |
| CSC | 300 | Data Structures | 3 |  | CSC | | 300 | Data Structures | 3 |
| CSC | 314 | Assembly Language | 3 |  | CSC | | 314 | Assembly Language | 3 |
| CSC | 321 | Cyber Law and Policy | 3 |  | CSC | | 321 | Cyber Law and Policy | 3 |
| CSC | 334 | Web Development | 3 |  | CSC | | 334 | Web Development | 3 |
| CSC | 385 | Networking II | 3 |  | CSC | | 385 | Networking II | 3 |
| CSC | 404 | Foundation of Computation | 2 |  | CSC | | 404 | Foundation of Computation | 2 |
| CSC | 409 | Operating Environment | 3 |  | CSC | | 409 | Operating Environment | 3 |
| CSC | 420 | Cellular and Mobile Communications | 3 |  | CSC | | 420 | Cellular and Mobile Communications | 3 |
| ~~CSC~~  CSC | ~~421~~  439 | ~~Web Software Security~~  ~~OR~~  Threat Hunting/Incident Resp | 3 |  | CSC | | 439 | Threat Hunting/Incident Resp | 3 |
| CSC | 428 | Reverse Engineering | 3 |  | CSC | | 428 | Reverse Engineering | 3 |
| CSC | 432 | Malware Analysis | 3 |  | CSC | | 432 | Malware Analysis | 3 |
| CSC | 436 | Offensive Network Sec | 3 |  | CSC | | 436 | Offensive Network Sec | 3 |
| CSC | 437 | Survey of Enterprise Systems | 3 |  | CSC | | 437 | Survey of Enterprise Systems | 3 |
| CSC | 438 | Defensive Network Security | 3 |  | CSC | | 438 | Defensive Network Security | 3 |
| CSC | 456 | Operating Systems | 3 |  | CSC | | 456 | Operating Systems | 3 |
| MATH | 201 | Intro to Discrete Math | 3 |  | MATH | | 201 | Intro to Discrete Math | 3 |
| CIS/CSC 300/400 or MATH 123 and above | | | 9 |  | CIS/CSC 300/400 or MATH 123 and above | | | | 9 |
|  | | |  |  |  | |  |  |  |
| **Electives** | | | **12** |  | **Electives** | | | | **12** |
| Total number of hours required for degree | | | 120 |  | | Total number of hours required for degree | | | 120 |

1. **Explanation of the Change:**

CSC 421 Web Software Security has not been taught for quite a while, so it is being removed from the major. Removing the class also avoids complications for our CAE-CO designation; any time there is a choice between two major classes aligned with knowledge units, we must justify how students are meeting all requirements.