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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:** | Computer Science, Ph.D. |
| **CIP CODE:** | 110101 |
| **UNIVERSITY DEPARTMENT:** | The Beacom College of Computer and Cyber Sciences |
| **BANNER DEPARTMENT CODE:** | DCOC |
| **UNIVERSITY DIVISION:** | Computer Science |
| **BANNER 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.*

|  |  |  |
| --- | --- | --- |
| A picture containing text  Description automatically generated |  | 4/17/2023 |
| 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: 8/1/2023**
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. Hrs.** |
|  |  |  |  |  | |  |  |  |  |
| **Shared Required Courses** | | | **18** |  | | **Shared Required Courses** | | | **18** |
| CSC | 705 | Design and Analysis of Computer Algorithms | 3 |  | | CSC | 705 | Design and Analysis of Computer Algorithms | 3 |
| CSC | 710 | Struct and Design Programing Language | 3 |  | | CSC  CSC | 710  712 | Struct and Design Programing Language  OR  Data Structures | 3 |
| CSC | 718 | Operating Systems & Parallel Programming | 3 |  | | CSC | 718 | Operating Systems & Parallel Programming | 3 |
| CSC | 720 | Theory of Computation |  |  | | CSC | 720 | Theory of Computation |  |
| CSC | 722 | Machine Learning Fundamentals | 3 |  | | CSC | 722 | Machine Learning Fundamentals | 3 |
| CSC | 770 | Software Engineering Management | 3 |  | | CSC | 770 | Software Engineering Management | 3 |
|  |  |  |  |  | |  |  |  |  |
| Electives | | | 24-30 |  | | Electives | | | 24-30 |
| Dissertation | | | 24-30 |  | | Dissertation | | | 24-30 |
|  |  | Total Hours Required | 72 |  | |  |  | Total Hours Required | 72 |

1. **Explanation of the Change:**

CSC 710 is no longer in the MSCS Core and has been replaced by CSC 712 at DSU. CSC 710 is being retained as it is the option at SDSU. This change allows the MSCS core to transfer seamlessly into the PHDCS cores.