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| S:\Communications\Logos and photos\SDBORLogos\final_sdbor_webreadyBW_trans.gif | **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:** | **Software Development, A.S.** |
| **CIP CODE:** | 11.0401 |
| **UNIVERSITY DEPARTMENT:** | **Beacom College of Computer & Cyber Sciences** |
| **UNIVERSITY DIVISION:** | **Beacom College of Computer & Cyber Sciences** |

**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.*

|  |  |  |
| --- | --- | --- |
|  |  | 2/24/2021 |
| 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:** Fall 2021
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. **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.** |
|  |  |  |  |  |  | |  |  |  |
| General Education | | | 24 |  | General Education | | | | 24 |
|  | | |  |  |  | | | |  |
| Required Courses | | | 33 |  | Required Courses | | | | 33 |
| CIS | 275 | Web Programming I | 3 |  | CIS | | 275 | Web Programming I | 3 |
| CIS | 332 | Struct Sys Analysis and Des | 3 |  | CIS | | 332 | Struct Sys Analysis and Des | 3 |
|  |  |  |  |  |  | | or |  |  |
|  |  |  |  |  | CSC | | 424 | Software Dev with Agile Meth |  |
| CIS | 484 | Database | 3 |  | CIS | | 484 | Database | 3 |
| CSC | 105 | Intro to Computers | 3 |  | CSC | | 105 | Intro to Computers | 3 |
| ~~CSC~~ | ~~145~~ | ~~Information Security Fund.~~ | ~~3~~ |  |  | |  |  |  |
| CSC | 150 | Computer Science I | 3 |  | CSC | | 150 | Computer Science I | 3 |
|  |  |  |  |  | CSC | | 234 | Software Security | 3 |
| CSC | 250 | Computer Science II | 3 |  | CSC | | 250 | Computer Science II | 3 |
| CSC | 260 | Object Oriented Design | 3 |  | CSC | | 260 | Object Oriented Design | 3 |
| CSC | 163 | HW, Virt, Data Comm | 3 |  | CSC | | 163 | HW, Virt, Data Comm | 3 |
|  |  |  |  |  |  | |  |  |  |
| Major Electives | | | 6 |  | Major Electives | | | | 6 |
|  |  |  |  |  |  | |  |  |  |
|  |  |  |  |  |  | |  |  |  |
| Electives | | | 3 |  | Electives | | | | 3 |
|  |  |  |  |  |  | |  |  |  |
| Total number of hours required for major, minor, or specialization | | | 33 |  | | Total number of hours required for major, minor, or specialization | | | 33 |
| Total number of hours required for degree | | | 60 |  | | Total number of hours required for degree | | | 60 |

1. **Explanation of the Change:**

The addition of CSC 234 as a replacement for CSC 145 reinforces the focus on software development. This aligns with the 12 credits in the Software Development Certificate and also stacks with both the BS in Computer Science and the BS in Cyber Operations.

CIS 424 will give students the option to study Agile methodologies rather than the more traditional approaches covered in CIS 332.