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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:** | Master of Science in Analytics |
| **CIP CODE:** |  |
| **UNIVERSITY DEPARTMENT:** | College of BIS |
| **UNIVERSITY DIVISION:** | Information Systems |

**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.*

|  |  |  |
| --- | --- | --- |
|  |  | 11/26/2020 |
| 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:** Summer 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.** |
| Core Courses | | | 18 |  | Core Courses | | | 18 |
| Required INFS courses | | | 6 |  | Required INFS courses | | | 6 |
| Electives are divided into four tracks that students may follow, these include Healthcare Analytics Information Systems, Business, and General. | | | 6 |  | Electives are divided into five tracks that students may follow, these include Healthcare Analytics Information Systems, Business, Artificial Intelligence, and General. | | | **6** |
|  | | |  |  |  | | |  |
|  |  |  |  |  | **Artificial Intelligence (take two courses)** | | | **6** |
|  |  |  |  |  | INFS | 784 | Introduction to Artificial Intelligence | 3 |
|  |  |  |  |  | INFS | 778 | Deep Learning | 3 |
| **Information Systems (select two courses)** | | | **6** |  | **Information Systems (select two courses)** | | | **6** |
| INFS | 720 | System Analysis and Design Using Case Tools | 3 |  | INFS | 720 | System Analysis and Design Using Case Tools | 3 |
| INFS | 724 | Project and Change Management | 3 |  | INFS | 724 | Project and Change Management | 3 |
|  |  |  |  |  | INFS | 730 | Web Application Development | 3 |
| INFS | 764 | Information Retrieval | 3 |  | INFS | 764 | Information Retrieval | 3 |
| INFS | 766 | Advanced Database | 3 |  | INFS | 766 | Advanced Database | 3 |
| INFS | 776 | Business Intelligence and Visualization | 3 |  | INFS | 776 | Business Intelligence and Visualization | 3 |
| INFS | 756 | Cloud Computing and Network Services | 3 |  | INFS | 756 | Cloud Computing and Network Services | 3 |
| ~~INFS~~ | ~~778~~ | ~~Deep Learning~~ | ~~3~~ |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Business (select two classes)** | | | **6** |  | **Business (select two classes)** | | | **6** |
| **Healthcare Analytics (select two classes)** | | | **6** |  | **Healthcare Analytics (select two classes)** | | | **6** |
| **General (select two classes)** | | | **6** |  | **General (select two classes)** | | | **6** |
| Total Hours Required | | | 30 |  | Total Hours Required | | | 30 |

1. **Explanation of the Change:**

Currently, the elective courses in the MSA program have been categorized into four tracks. We propose to add one more track: Artificial Intelligence. AI is becoming an integral part of analytics and data science. The increasing volume and complexity of business data is driving the adoption of artificial intelligence in analytics tools in various industries. Adding the AI track can help us keep up with new advances in the field and enhance enrollment. It will also help prepare our students for the new wave of jobs that require training in AI.

A track is a concentration within a major; it is not a separate program. A catalog may describe a track but not detail it as a specific plan of study. Transcripts do not specify tracks.