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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 Biology, Integrated Biology Specialization and Biology Education Specialization |
| **CIP CODE:** | 269999 |
| **UNIVERSITY DEPARTMENT:** | Arts and Science |
| **BANNER DEPARTMENT CODE:** | DAS |
| **UNIVERSITY DIVISION:** | Science |
| **BANNER DIVISION CODE:** | DSCI |

**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 |  | 5/4/2023 |
| 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 |
|  |  |  |  |
|[x]  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 |[x]  Master’s |[ ]  Doctoral |[ ]

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

|  |  |  |  |
| --- | --- | --- | --- |
| Certificate |[ ]  Specialization |[x]  Minor |[ ]  Major |[x]

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

|  |  |  |
| --- | --- | --- |
| Yes |  |[ ]  No |[x]

* 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.** |
|  |  |  |  |  |  |  |  |  |
| General Education | 30 |  | General Education | 30 |
| Biology Component | 21 |  | Biology Component | 21 |
| Math and Science Component | 22 |  | Math and Science Component | 22 |
| Science Technology Component | 15 |  | Science Technology Component | 15 |
| Social Science Component | 3 |  | Social Science Component | 3 |
| Choose one Specialization | 59 |  | Choose one specialization | 59 |
|  |  |  |  |  |  |  |
| **Integrated Biology Specialization** | **59** |  | **Integrated Biology Specialization** | **59** |
| BIOL | 343 | Cell and Molecular Biology | 4 |  | BIOL | 343 | Cell and Molecular Biology | 4 |
| Choose 15 credits from the following | 14 |  | Choose 15 credits from the following | 14 |
|  |  |  |  |  | BIOL | 201 | General Botany | 3 |
|  |  |  |  |  | BIOL | 235 | Intro to Biotechnology | 3 |
| BIOL | 325 | Physiology | 4 |  | BIOL | 325 | Physiology | 4 |
| BIOL  | 365 | Vertebrate Zoology | 4 |  | BIOL  | 365 | Vertebrate Zoology | 4 |
| BIOL | 410 | Conservation Biology | 3 |  | BIOL | 410 | Conservation Biology | 3 |
| BIOL | 422 | Immunology | 4 |  | BIOL | 422 | Immunology | 4 |
| ~~BIOL~~ | ~~450~~ | ~~Aquatic Biology~~ | ~~4~~ |  |  |  |  |  |
| BIOL | 492 | Topics | 4 |  | BIOL | 492 | Topics | 4 |
|  |  |  |  |  |  |  |  |  |
| **Biology Education Specialization** | **59** |  | **Biology Education Specialization** | **59** |
| Biology Ed Component | 11 |  | Biology Ed Component | 11 |
| BIOL | 325 | Physiology | 4 |  | BIOL | 325 | Physiology | 4 |
| Choose 7 credits from the following: | 7 |  | Choose 7 credits from the following: | 7 |
|  |  |  |  |  | BIOL | 201 | General Botany | 3 |
|  |  |  |  |  | BIOL | 235 | Intro to Biotechnology | 3 |
| BIOL | 335 | Intro to Bioinformatics | 3 |  | BIOL | 335 | Intro to Bioinformatics | 3 |
| BIOL | 343 | Cell and Molecular Biology | 4 |  | BIOL | 343 | Cell and Molecular Biology | 4 |
| BIOL | 365 | Vertebrate Zoology | 4 |  | BIOL | 365 | Vertebrate Zoology | 4 |
| BIOL | 410 | Conservation Biology | 3 |  | BIOL | 410 | Conservation Biology | 3 |
| BIOL | 422 | Immunology | 4 |  | BIOL | 422 | Immunology | 4 |
| ~~BIOL~~ | ~~450~~ | ~~Aquatic Biology~~ | ~~4~~ |  |  |  |  |  |
| BIOL | 492 | Topics | 4 |  | BIOL | 492 | Topics | 4 |
|  |  |  |  |  |  |  |  |  |
| Chemistry Component | 8 |  | Chemistry Component | 8 |
| Computer Technology Component | 12 |  | Computer Technology Component | 12 |
| Professional Education Component | 28 |  | Professional Education Component | 28 |
|  |  |  |  |  |  |  |  |  |
| **Electives** | **10** |  | **Electives** | **10** |
|  |  | Total Hours Required | 120 |  |  |  | Total Hours Required | 120 |

1. **Explanation of the Change:**

Deletion of BIOL 450

With a faculty member retiring in Spring 2022, we don’t anticipate offering BIOL 450 Aquatic Biology again because this course is not the area of expertise of our new hire.

Addition of BIOL 201 and BIOL 235

BIOL 201 (General Botany) and BIOL 235 (Introduction to Biotechnology) are courses that were developed within the last couple of years at DSU and are being offered online during the summer. These courses were added to give majors more flexibility and opportunities to pursue their interests with the biology elective credits. Also, they give biology majors an option to take classes online to lighten their load during the academic year.