# Bemidji State University

**Professional Education Plan of Study**

License: *Science Endorsement (5-8)*

**Name:**  **ID Number:**

***The Science Endorsement is only available as an add-on license or in conjunction with***

***another teaching license, such as Elementary Education or Life Science Education.***

### This Science Endorsement will be issued in conjunction with:

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| ***I. Complete all of the following Professional Education Courses.*** |
| *BSU Course ID and Name* | ***ALL STUDENTS*** | *Complete this section* ***ONLY*** *if using a course from another school\** |
| ***Semester &Year*** | ***Grade*** | *Course ID and Name* | *Where was this course taken?* |
|  |
| ED 4737 Content Area Reading (3 credits)*\*25 hours of field experience\***Offered online fall and spring* |  |  |  |  |
| ED 3417 Teaching and Lrng. in the M. S. (3 credits) *Offered online, fall only* |  |  |  |  |
| ED 3410 Secondary Science Methods (4 credits)*\*25 hours of field experience\***Offered only in the spring* |  |  |  |  |
| ED 4840 Student Teaching, Special Fields (5 credits) *\*4 weeks of full-time student teaching\** |  |  |  |  |

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| ***II. Complete all of the following Middle Level Science Content Courses.*** |
| *BSU Course ID and Name* | ***ALL STUDENTS*** | *Complete this section* ***ONLY*** *if using a course from another school\** |
| ***Semester &Year*** | ***Grade*** | *Course ID and Name* | *Where was this course taken?* |
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| BIOL 1110 Human Biology (4 credits) **OR**BIOL 1400 Cellular Principles (4 credits)*Most sections offered in the fall* |  |  |  |  |
| BIOL 1120 Gen Bio/Evol & Ecology (3 credits)**OR**BIOL 1500 Diversity of Life (4 credits)*Most sections offered in the spring* |  |  |  |  |

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| CHEM 2211 Principles of Chem I (4 credits) **OR** CHEM 1111 Gen Chem I (4 credits)*Most sections offered in the fall* |  |  |  |  |
| CHEM 2212 Principles of Chem II (4 credits) **OR** CHEM 1112 Gen Chem II (4 credits)*Most sections offered in the spring* |  |  |  |  |
| GEOL 1110 Physical Geology (4 credits)*Usually offered in the fall* |  |  |  |  |
| SCI 3100 Integrative Science for Teachers (4 credits)*Offered only in the fall – even years* |  |  |  |  |

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| ***If there are any gaps in your plan of study (other than student teaching), please indicate when and how you will fill the missing coursework/testing requirement(s).*** |
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***\*Please note: If you are using a course from another school, BSU will need official transcripts on file for all relevant institutions.***

***Final Plan of Study Approved by Certification Officer: Date:***