# Bemidji State University

**Professional Education Plan of Study**

Licenses: *Physics (9-12) and Middle Level Science (5-8)*

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

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| ***I. Complete all of the following Professional Education Standards of Effective Practice (SEP) 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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| ED 3100 Intro. to the Foundations of Education (3 cr.)*\*25 hours of field experience\** |  |  |  |  |
| ED 3110 Educational Psychology (3 credits) |  |  |  |  |
| ED 3140 Human Relations in Education (3 credits) |  |  |  |  |
| ED 3350 Pedagogy: Planning for Instruction (3 credits)*\*25 hours of field experience\** |  |  |  |  |
| ED 3780 Adaptation and Management (3 credits) |  |  |  |  |
| HLTH 3400 Health & Drugs in Society (2 credits) |  |  |  |  |
| ED 4799 The Professional Teacher (1 credit) |  |  |  |  |
| ED 4737 Content Area Reading (3 credits) *\*25 hours of field experience\** |  |  |  |  |
| ED 3410 Secondary Science Methods (4 credits)*\*25 hours of field experience\** |  |  |  |  |
| ED 4830 Student Teaching, Secondary (7 credits) |  |  |  |  |
| ED 4840 Student Teaching, Special Fields (5 credits)  |  |  |  |  |

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| ***II. Complete the following Middle Level Science Content/Methods 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) |  |  |  |  |
| BIOL 1120 Gen Bio/Evol & Ecology (3 credits)**OR**BIOL 1500 Diversity of Life (4 credits) |  |  |  |  |
| CHEM 2211 Principles of Chem I (4 credits) **OR** CHEM 1111 Gen Chem I (4 credits) |  |  |  |  |
| CHEM 2212 Principles of Chem II (4 credits) **OR** CHEM 1112 Gen Chem II (4 credits) |  |  |  |  |
| GEOL 1110 Physical Geology (4 credits) |  |  |  |  |
| SCI 3100 Integrative Science for Teachers (4 credits) |  |  |  |  |

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| ***III. Complete the following Physics Content/Research 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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| MATH 2471 Calculus I (5 credits) *Prerequisite for PHYS 2101* |  |  |  |  |
| PHYS 1101 General Physics I (4 credits) **OR** PHYS 2101 Physics I (5 credits) |  |  |  |  |
| PHYS 1102 General Physics II (4 credits) **OR** PHYS 2102 Physics II (5 credits) |  |  |  |  |
| PHYS 2500 Electronics I (4 credits) |  |  |  |  |
| PHYS 3103 Physics III (4 credits) |  |  |  |  |
| PHYS 4300 Optics (4 credits) |  |  |  |  |
| PHYS 4980 Research (3 credits) |  |  |  |  |

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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 Program Leader: Date:***