**SHIPPENSBURG UNIVERSITY DEPARTMENT OF TEACHER EDUCATION Present**

PROGRAM PLANNING SHEET

Elementary/Middle Level Option #1- **Science TOTAL CREDITS: 121-122**

# Name:

**Advisor:**

**Student ID:**

A student selecting this option will be certified to teach science at the grades 4-8 and all subjects in grades 4 and 5.

**1. General Education (46-47):**

**Foundations: 15 - 16 credits CR SM**

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| UNIV 101 | **3** |  |
| ENG 114 Writing Intensive Seminar | **3** |  |
| HCS 100 Intro Human Communication | **3** |  |
| HIS 105 Historical Foundation of Global Cultures | **3** |  |
| MAT 117 Applied Statistics (3) *(Math placement levels 2-4)* **OR** MAT 217 Statistics I (4) *(Math*  *placement levels 5-6)* | **3/4** |  |

**Interconnections: 9 Credits CR SM**

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| *Take Required Diversity Course and at Least 1 Global Perspectives Course* | **9 Total** | |
| *Required Diversity Course* | **3** |  |
| PSY 101 General Psychology | **3** |  |
| *Global Perspective Course Options* |  |  |
| ANT 105 Great Discoveries in Archaeology **OR** ECO 101 Principles of Macroeconomics **OR** GEO 101 World Geography **OR**  HIS 106 Thinking Historically in a Global Age **OR**  PLS 141 World Politics |  |  |
| *Foreign Language Course Options* |  |  |
| SPN 101 Beginning Spanish I Credits **OR** SPN 102 Beginning Spanish II Credits **OR** SPN 103 Intermediate Spanish Credits **OR**  SPN 202 Intermediate Conversation Credits **OR**  SPN 330 Spanish for the Professions Credits |  |  |

**Natural World and Technologies: 9 credits CR SM**

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| All required | | |
| ESS 110 Introduction to Geology | **3** |  |
| ESS 111 Intro to Atmosphere | **3** |
| BIO 208 Field Biology | **3** |

**Citizenship and Responsibility: 7 Credits CR SM**

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| *Select 1 Citizenship or Ethical Reasoning Course* | **3 Total** | | |
| *Citizenship course Options* |  |  | |
| ESS 108 Introduction to Sustainability **OR**  HIS 201 Early History of the United States **OR**  PLS 100 United States Government and Politics |  |  | |
| *Ethical Reasoning Course* |  |  | |
| PHL 105 Ethical Theories and Problems |  |  | |
| Required Critical Reasoning Course |  |  | |
| MAT 225 Discrete Mathematics | **4** |  |  |

**Creativity and Expressions: 6 Credits CR SM**

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| --- | --- | --- | --- |
| *Select 1 Literature course and 1 Art course* | **6 Total** | | |
| *Literature course options* | **3** |  | |
| ENG 248 Introduction to Culturally Diverse Literature of the U.S **OR**  ENG 250 Introduction to Literature **OR**  ENG224 Introduction to Creative Writing |  |  |  |
| *Art course options* | **3** |  | |
| ART 101 Art Appreciation **OR**  ART 231 Art History I **OR** ART 232 Art History II **OR** ART 233 Art History III **OR**  ART 339 History of American Art **OR**  IAP 111 Introduction to Interdisciplinary Arts  **OR** MUS 121 Introduction to Music **OR** MUS 129 American Popular Music **OR** MUS 227 Opera & Music Theatre **OR**  MUS 261 World Music |  |  |  |

1. **Professional Core (36 credits):**
   1. **Middle Level Cognitive Development CR SM**

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| TCH 206 Social Foundations of Middle Level  Education | **3** |  |

* 1. **Early Adolescent and Adolescent Learning Theory CR SM**

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| --- | --- | --- |
| TCH 261 Adolescent Development and Language  Theory | **3** |  |

* 1. **Assessments and Interventions CR SM**

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| EEC 483 Assessing Children with Exceptionalities for  Curricular Decision Making | **3** |  |

* 1. **Adaptations and Accommodations for Diverse Learners**

**CR SM**

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| EEC 273 Introduction to Exceptionalities:  Understanding Diverse Learners | **3** |  |
| EEC 423 Effective Instructional Strategies for  Students with Exceptionalities | **3** |  |

* 1. **Middle Level Teaching Courses CR SM**

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| RDG 232 Reading in the Elementary School | **3** |  |
| RDG 329 Reading in the Content Area | **3** |  |
| RDG 405 Teaching Writing in 4-8 Classrooms | **3** |  |
| TCH 251 Elements of Middle Level Instruction | **3** |  |
| TCH 345 Assessment and Evaluation | **3** |  |
| TCH 366 Teaching Science at the Middle Level | **3** |  |

* 1. **English Language Learners (ELL) CR SM**

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| RDG 413 Teaching Reading to English Language  Learners | **3** |  |

**3.Concentration area (21 credits):**

**CR SM**

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| BIO 161 Principles of Biology: Cell Structure (N) | **4** |  |
| BIO 162 Principles of Biology: Organismal Diversity (N) | **4** |  |
| CHM 105 An Observational Approach (N) | **3** |  |
| PHY 121 Physics I (3) (N) AND PHY 123 Physics I Lab (1) | **4** |  |

1. Take one (3 credits) **CR SM**

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| CHM 121 Chemical Bonding (3) AND CHM 125 Chemical Bonding Lab (1) OR  PHY 122 Physics II (3) AND PHY 125 Physics II Lab (1) | **3** |  |

1. Take one (3 credits) **CR SM**

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| ESS 210 Physical Geography **OR**  ESS 220 Oceanography **OR**  ESS 355 Meteorology **OR**  ESS 404 Applied Meteorology and Climatology | **3** |  |

1. **Math Course Requirements (3 credits) CR SM**

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| MAT 205 Concepts of Middle Level Math | **3** |  |

1. **Student Teaching (15 credits): CR SM**

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| EDU 409 Seminar in Middle Level Student Teaching | **3** |  |
| EDU 495 Student Teaching Experience | **12** |  |

**KEY:**

**CR** = Credits the course is worth

**SM** = Semester taken