**SHIPPENSBURG UNIVERSITY DEPARTMENT OF TEACHER EDUCATION** PROGRAM PLANNING SHEET

Elementary/Middle Level Option #1- **Math TOTAL CREDITS: 121-125**

# Name:

**Advisor:**

**Student ID:**

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

# General Education: 46-47

**Foundations: 15-16 Credits CR GR**

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| UNIV 101 | **3** |  |
| ENG 114 Writing Intensive Seminar | **3** |  |
| HCS 100 Introduction to Human Communication | **3** |  |
| HIS 105 Historical Foundation of Global Cultures | **3** |  |
| MAT 117 Applied Statistics (3) *(Math placement levels 2-4)* Prerequisite: Math placement level 2 or MAT 050 with minimum grade C **OR**  MAT 217 Statistics I (4) *(Math placement levels 5-6)*  Prerequisite: Math placement level 5 | **3/4** |  |

**Interconnections: 9 Credits CR SM**

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| *Required Diversity Course and select at least 1 Global Perspectives Course* | **9 Total** | |
| *Required Diversity Course* | **3** |  |
| PSY 101 General Psychology | **3** |  |
| *Global Perspectives 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 |  |  |

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| *Select 1 Literature 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  ENG224 Intro 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 |  |  |

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

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| BIO 145 Environmental Biology **OR**  BIO 150 Human Biology **OR**  BIO 161 Principles of Biology: Cell Structure **OR** BIO 162 Principles of Biology: Organismal Diversity **OR**  BIO 208 Field Biology **OR**  BIO 237 Human Anatomy & Physiology **OR**  CHM 103 A Cultural Approach **OR**  CHM 105 An Observational Approach **OR**  CHM 121 Chemical Bonding **OR**  ESS 110 Introduction to Geology **OR** |  |  |  |

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

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| *Select 1 Ethical Reasoning or Citizenship 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 |  |  | |
| *Required Ethical Reasoning Course* | | | |
| PHL 105 Ethical Theories and Problems |  |  | |
| *Required Critical Reasoning Course* |  |  |  |
| **MAT 225 Discrete Math (R)** *(Math placement levels 4-6)* Prerequisite: MAT 140A or math placement level 4 or MAT 140B or MAT 175 or  MAT 211 or MAT 181 | **4** |  | |

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

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| *Select 3 Natural World Courses- only two courses with same prefix permitted* | **9 Total** |
| *Natural World Course Options* | |
| ESS 111 Introduction to Atmosphere **OR**  ESS 210 Physical Geography **OR**  PHY 108 Astronomy **OR**  PHY 110 Physics for Society **OR**  PHY 121 Physics I **OR**  PHY 122 Introductory Physics II **OR**  PHY 205 Intermediate Physics I **OR**  ANT 121 Physical Anthropology **OR**  BIO 100 Basic Biology **OR** |  |

1. **Professional Core (36 credits)**
2. **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 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 342 Teaching Middle Level Mathematics | **3** |  |
| TCH 345 Assessment and Evaluation | **3** |  |

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

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

1. **Concentration area (15-17 credits):**
   1. Required **CR SM**

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| MAT 105 Mathematics for Liberal Arts *(Math placement levels 2-6)* Prerequisite: Math placement  level 2 or MAT 050 with minimum grade C | **3** |  |

* 1. Take one from each row (12-13 credits) **CR SM**

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| MAT 205 Concepts of Middle Level Math | **3** |  |
| MAT 181 Applied Calculus (3 credits) *(Math placement levels 5-6)* Prerequisite: MAT 140A with minimum grade C or MAT 140B with minimum grade C **OR** MAT 175 with minimum grade C or math placement level 5 **OR**  MAT 211 Calculus I (4 credits) *(Math placement level 6)*  Prerequisite: MAT 175 with minimum grade C or  math placement level 6 | **3-4** |  |
| MAT 333 Geometry (3 credits) Prerequisite: MAT 225 **OR** MAT 400 History of Math (3) Prerequisite: Junior status **OR**  MAT 317 Statistics II (3 credits) Prerequisite: MAT 217 | **3** |  |
| MAT Elective (200/300/400 course) | **3** |  |

1. **Free electives (9-10 credits): CR SM**

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| Any 3 courses  1. Calculus (recommended)  2.  3. | **9**  **4** |  |

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