**SHIPPENSBURG UNIVERSITY  
DEPARTMENT OF TEACHER EDUCATION**PROGRAM PLANNING SHEETElementary/Middle Level Option #2- **Math and Language Arts**

**TOTAL CREDITS: 121-124**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

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

**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 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 |  |  |

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

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| *Select 3 Natural World Courses* | **9 Total** | |
| *Natural World Courses Options: only 2 courses with the same prefix permitted* | **9** |  |
| ANT 121 Physical Anthropology **OR**  BIO 100 Basic Biology **OR**  BIO 145 Environmental Biology **OR**  BIO 150 Human Biology **OR**  BIO 161 Principles of Biology: Cell Structure **OR**  BIO 162 Prin. of Biology: Organismal Diver. **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**  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 |  |  |

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

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| *Select 1 Citizenship Course* ***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 Ethical Reasoning Course* | **4** |  |
| MAT 225 Discrete Math *(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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| *Required Literature Course and select at least 1 Art Course* | **6 Total** | |
| *Literature Course* | **3** |  |
| ENG 250 Introduction to Literature | **3** |  |
| *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 |  |  |

**2. Professional Core (39 credits):**

**A. Middle Level Cognitive Development CR SM**

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

**B. Early Adolescent and Adolescent Learning CR SM**

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

**C. Assessments and Interventions CR SM**

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

**D. 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** |  |
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**E. 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 322 Teaching Middle Level Language Arts | **3** |  |
| TCH 342 Teaching Middle Level Mathematics | **3** |  |
| TCH 345 Assessment and Evaluation | **3** |  |

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

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

**3. Concentration area: Math (12-14 credits):**

A. Required course (3 credits) **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** |  |

B. Take one from each row (9-11 credits) **CR SM**

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| --- | --- | --- |
| MAT 205 Concepts of Middle Level math | **3-4** |  |
| MAT 181 Applied Calculus (3) *(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) *(Math placement level 6)* Prerequisite: MAT 175 with minimum grade C or math placement level 6 | **3-4** |  |
| MAT 333 Geometry (3) Prerequisite: MAT 225 **OR**  MAT 400 History of Math (3) Prerequisite: Junior status **OR** MAT 317 Statistics II (3) Prerequisite: MAT 217 | **3** |  |

**4. Concentration area: English (9 credits): CR SM**

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| TCH 303 Books and Materials | **3** |  |
| ENG 366 History and Structure of the English Language | **3** |  |
| ENG 426 Adolescent Literature | **3** |  |

**5. 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 tak

***Note on Prerequisites***

***Calculus:*** *Students must meet one of the following prerequisites: C or better in MAT175 or math placement level 6. However, a prerequisite override could be granted based on a recommendation to the math department from the student’s advisor.*

***Discrete Math:*** *Students must meet one of the following prerequisites: MAT140A or math placement level 4 or above.*