

**SHIPPENSBURG UNIVERSITY**  
**DEPARTMENT OF TEACHER EDUCATION**  
**PROGRAM PLANNING SHEET**  
Elementary/Middle Level Option #1- Science

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

A student selecting this option will only be certified to teach Science at the middle level grades 4-8.

**PDE Competency Areas**

- I. Content Knowledge: 84 credits** including General Education Requirements which are indicated by an \*.  
A total of 33 credits are counted in a dual capacity.

**II. Concentration Area**

**A. Science: 31 credits required**

- \_\_\_ BIO161 Principles of Biology: Cell Structure (4)\*
- \_\_\_ BIO162 Principles of Biology: Organismal Diversity (4)
- \_\_\_ BIO208 Field Biology (3) or
- \_\_\_ BIO242 Ecology (3)
- \_\_\_ CHM105 An Observational Approach (3)\*
- \_\_\_ CHM121 Chemical Bonding (3) and
- \_\_\_ CHM125 Chemical Bonding Lab (1) or
- \_\_\_ PHY122 Intro to Physics II (3) and
- \_\_\_ PHY125 Intro to Physics II Lab (1)
- \_\_\_ PHY121 Physics I (3) and
- \_\_\_ PHY123 Physics I Lab (1)
- \_\_\_ ESS110 Introduction to Geology (3)\*
- \_\_\_ ESS111 Intro to Atmosphere (3)
- \_\_\_ ESS210 Physical Geography (3) or
- \_\_\_ ESS220 Oceanography (3) or
- \_\_\_ ESS355 Meteorology (3) or
- \_\_\_ ESS404 Applied Meteorology and Climatology (3)

**Cognate Areas**

**B. Social Studies: 12 credits required**

- \_\_\_ GEO 101 World Geography (3)\*
- \_\_\_ ECO 101 Macroeconomics (3)\* or
- \_\_\_ PLS 100 U.S. Government and Politics (3)\*
- \_\_\_ HIS 105 Historical Foundation of Global Cultures (3)\*
- \_\_\_ HIS 106 Thinking Historically in a Global Age (3)\*

**C. Math: 13 credits required**

- \_\_\_ MAT 205 Survey of Middle Grades Mathematics (3)
- \_\_\_ MAT 175 Precalculus (3) *(See note on Prerequisites)*
- \_\_\_ MAT 105 Math for Liberal Arts (3)
- \_\_\_ MAT 117 Applied Statistics (4)

**D. Language Arts: 12 credits required**

- \_\_\_ ENG 114 Writing Intensive Seminar (3)\* or
- \_\_\_ ENG 110 Advanced Placement Writing (3)\*
- \_\_\_ HCS 100 Intro to Human Communication (3)\*
- \_\_\_ RDG 232 Reading in the Elementary School (3)
- \_\_\_ RDG 329 Reading in the Content Area (3) *(Prerequisite RDG 232)*

**Additional Coursework**

**E. Literature: 3 credits**

- \_\_\_ ENG 243 Art of the Film (3)\* or
- \_\_\_ ENG 248 Intro to Culturally Diverse Lit (3)\* or
- \_\_\_ ENG 250 Intro to Literature (3)\*

**F. Fine Arts: 6 credits**

**(Select two from different disciplines)**

**Music**

- \_\_\_ MUS 110 Fundamental Music Skills (3)\* or
- \_\_\_ MUS 121 Introduction to Music (3)\* or
- \_\_\_ MUS 261 World Music (3)\*

**Art (ART 101 is recommended)**

- \_\_\_ ART 101 Art Appreciation (3)\* or
- \_\_\_ ART 231 Art History I (3)\* or
- \_\_\_ ART 232 Art History II (3)\* or
- \_\_\_ ART 274 Intro to Cultural Studio (3)\* or
- \_\_\_ ART 339 History of American Art (3)\*

**Theatre**

- \_\_\_ THE 121 Intro to Theatre (3) \*

**G. Social and Behavioral Sciences: 6 credits**

- \_\_\_ PSY 101 General Psychology (3)\*
- Choose one of the following**
- \_\_\_ ANT 111 Cultural Anthropology (3)\* or
- \_\_\_ GEO 140 Cultural Geography (3)\* or
- \_\_\_ SOC 101 Intro.to Soc: Society & Div (3)\*

**II. Professional Core & Student Teaching: 39 credits**

**A. Middle Level Cognitive Development**

- \_\_\_ TCH 206 Social Found of Middle Level Educ (3)

**B. Early Adolescent and Adolescent Learning Theory**

- \_\_\_ TCH 261 Adolescent Dev and Lng Theory (3)

**C. Assessments and Interventions**

- \_\_\_ EEC 483 Assessing Children with Exceptionalities for Curricular Decision Making (3)
- \_\_\_ TCH 345 Assessment & Evaluation (3)

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

- \_\_\_ EEC 273 Introduction to Exceptionalities: Understanding Diverse Learners (3)
- \_\_\_ EEC 423 Effective Instructional Strategies for Students with Exceptionalities (3)

**E. Middle Level Teaching Methods**

- \_\_\_ TCH 366 Teaching Science at the Middle Level (3)
- \_\_\_ TCH 251 Elements of Middle Level Instruction (3)

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

- \_\_\_ RDG 413 Teach Read to English Lang Learners (3)

**F. Student Teaching**

- \_\_\_ EDU 495 Student Teaching Experience (12)

## Major (Professional Education) Requirements

### *Note on Prerequisites*

*Precalculus:* MAT140A, MAT140B, math placement level 5, or permission of department chair.

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

This planning sheet is for  
Freshman entered  
Fall 2017 or later

Semester 1  
Gen Eds

Semester 2  
Gen Eds

Semester 3  
Content Classes

Semester 4  
Content Classes  
TCH 206

Semester 5  
Content Classes  
EEC 273  
TCH 345

Semester 6  
TCH 261  
EEC 423  
Content Classes

Semester 7  
TCH 366  
TCH 251  
Content Classes

Semester 8  
EDU 495  
EEC 483

Students electing certain minors can be required to complete more credits to complete both the elementary program and the requirements of the selected minor. **ALL** students are required to complete at least **120 credit hours** for graduation. The **final responsibility** for scheduling and fulfilling program requirements **belongs to the student**. Majors failing to maintain the department required QPA of 3.0 will not be permitted to schedule Teacher Education courses until they have reached the required QPA.