

SHIPPENSBURG UNIVERSITY
DEPARTMENT OF TEACHER EDUCATION
PROGRAM PLANNING SHEET
Elementary/Middle Level Option #2- Math & Science

Name: _____ Advisor: _____ Student ID: _____

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

PDE Competency Areas

- I. Content Knowledge:** 82-83 credits including General Education Requirements which are indicated by an *
A total of 33 credits are counted in a dual capacity

Concentration Areas

A. Math: 21 credits required

- ___ MAT 105 Math For Liberal Studies (3)*
- ___ MAT 205 Survey of Middle Grades Mathematics (3)
- ___ MAT 117 Applied Statistics (4)
- ___ MAT 211 Calculus I (4) * *(See note for Prerequisites)*
- ___ MAT 225 Discrete Math (4) * *(See note for Prerequisites)*
- ___ MAT 333 Geometry (3)

B. Science: 22-23 credits required

- ___ BIO 100 Basic Biology (3)* or
- ___ BIO 162 Principles of Biology: Organismal Diversity (4)
- ___ CHM 105 An Observational Approach (3)*
- ___ PHY 108 Astronomy (3)
- ___ PHY 121 Physics I (3)
- ___ PHY 123 Physics I Lab (1)
- ___ ESS 110 Introduction to Geology (3)*
- ___ ESS 111 Intro to the Atmosphere (3)
- ___ BIO 142 Intro to Ecology (3) or
- ___ BIO 145 Environmental Biology (3)

Cognate Areas

C. Social Studies: 12 credits required

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

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)*

F. 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 and 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 342 Teaching Middle Level Mathematics (3)
- ___ TCH 366 Teaching Middle Level Science (3)

F. English Language Learners (ELL)

- ___ RDG 413 Teaching Reading to English Language Learners (3)

G. Student Teaching

- ___ EDU 495 Student Teaching Experience (12)

Major (Professional Education) Requirements

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

Note on Prerequisites

Calculus I: 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.

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

Semester 6
TCH 261
EEC 423
Content Classes

Semester 7
TCH 366
TCH 342

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.