I. GENERAL EDUCATION COMPONENTS 45 Cr.

(Select appropriate courses listed in the General Education Bulletin. Note that General Education courses may not be taken SA/UN.)

WRITING/SPEAKING (GWS) – 9 Cr.

- ENGL 15 GWS or 30 GWS _____ (3)
- ENGL 202A GWS or 202B GWS _____ (3)
- CAS 100A GWS _____ (3)

QUANTIFICATION (GQ) – 6 Cr.

- MATH 140 GQ _____ (3)
- MATH 141 GQ _____ (3)

NATURAL SCIENCES (GN) – 9 Cr.

- (C1 495C (SA/UN) _____ (3)
- (C1 495E _____ (3)
- (5 Credits Must be earned at The Pennsylvania State University)

ARTS (GA) – 6 Cr.

- (Literature Selection GH _____ (3)
- (Literature Selection GH _____ (3)

HUMANITIES (GH) – 6 Cr.

- (Literature Selection GH _____ (3)

SOCIAL & BEHAVIORAL SCIENCES (GS) – 6 Cr.

- PSYCH 100 GS (HD FS 239 GS) _____ (3)

HEALTH AND PHYSICAL ACTIVITY (GHA) – 3 Cr.

- ( ) _____ ( ) _____ (3)

II. FIRST YEAR SEMINAR (FYS)/ ELECTIVES 0-4 Cr.

(PYS) _____ ( )

PECT: PAPA *R* *(M) *W* or

SAT _____

ACT _____

Supporting Courses & Related Areas – 6 Cr.+ 

EDTHP 400 – level selection (or 115 US) _____ (3)

III. REQUIREMENTS FOR THE MAJOR 45 Cr.

Prescribed Courses – 36 Cr.+ 

- PSYCH 100 GS _____ (3)*
- EDPSY 14 _____ (3)
- C I 295 _____ (2)*
- C I 280 GH _____ (3)
- SPLED 400 _____ (4)
- SPLED 403 B _____ (3)
- 5C 1495C (SA/UN) _____ (3)*
- 5C 1495E _____ (15)*

Additional Courses – 3 Cr.+ 

- 5PSYCH 412 (or HDFS 239 GS*) _____ (3)

IV. OPTION REQUIREMENTS 57-59 Cr.

Prescribed Courses – 32-34 Cr.+ 

- MATH 140 GQ _____ (4)*
- MATH 141 GQ _____ (4)*
- MATH 220 _____ (2-3)
- MATH 310 _____ (3)
- MATH 311W _____ (3-4)
- MATH 312 _____ (3)
- MATH 471 _____ (4)
- #MTHED 411 _____ (3)
- MTHED 427 _____ (3)
- MTHED 412W _____ (3)

Additional Courses – 19 Cr.+ 

- CMPSC 101 GQ or 121 GQ _____ (3)
- MATH 230 or MATH 231 & 232 _____ (4)
- MATH 414 _____ (3)
- MATH 435 or 470 _____ (3)
- MATH 436 or 441 _____ (3)
- STAT 401, MATH 415 or MTHED list _____ (3)

Select 6 crs. from 400 level MATH or MTHED _____ (3)

Supporting Courses & Related Areas – 6 Cr.+ 

Select 6 crs. from 400 level MATH or MTHED _____ (3)

CODES:

+ Must earn “C” or better (C 1 495C offered SA/UN only).

- See adviser for prerequisites and early application for clinical experiences.

* The following courses may satisfy General Education components:

PSYCH 100 GS & HD FS 239 GS, (Social & Behavioral Science); 6 credits of the Prescribed GQ courses (Quantification) and 3 credits of Literature GH (Humanities).

# MTHED 411 prerequisites are underlined above.

* See Baccalaureate Degree Programs Bulletin for prerequisites.

W Satisfies 3 credits of writing-intensive course requirement.

- Required for entrance to major/certification program.

Note: Must complete at least 3 cr. of IL and 3 cr. of US Cultures selections.

IV. OPTION REQUIREMENTS 57-59 Cr.

Prescribed Courses – 32-34 Cr.+ 

- MATH 140 GQ _____ (4)*
- MATH 141 GQ _____ (4)*
- MATH 220 _____ (2-3)
- MATH 310 _____ (3)
- MATH 311W _____ (3-4)
- MATH 312 _____ (3)
- MATH 471 _____ (4)
- #MTHED 411 _____ (3)
- MTHED 427 _____ (3)
- MTHED 412W _____ (3)

Additional Courses – 19 Cr.+ 

- CMPSC 101 GQ or 121 GQ _____ (3)
- MATH 230 or MATH 231 & 232 _____ (4)
- MATH 414 _____ (3)
- MATH 435 or 470 _____ (3)
- MATH 436 or 441 _____ (3)
- STAT 401, MATH 415 or MTHED list _____ (3)

Select 6 crs. from 400 level MATH or MTHED _____ (3)

Supporting Courses & Related Areas – 6 Cr.+ 

Select 6 crs. from 400 level MATH or MTHED _____ (3)

CODES:

+ Must earn “C” or better (C 1 495C offered SA/UN only).

- See adviser for prerequisites and early application for clinical experiences.

* The following courses may satisfy General Education components:

PSYCH 100 GS & HD FS 239 GS, (Social & Behavioral Science); 6 credits of the Prescribed GQ courses (Quantification) and 3 credits of Literature GH (Humanities).

# MTHED 411 prerequisites are underlined above.

* See Baccalaureate Degree Programs Bulletin for prerequisites.

W Satisfies 3 credits of writing-intensive course requirement.

- Required for entrance to major/certification program.

Note: Must complete at least 3 cr. of IL and 3 cr. of US Cultures selections.
SECONDARY EDUCATION – Mathematics Teaching Option: Entrance Criteria

Eligibility for entrance to the Mathematics teaching option in the Secondary Education (SECED) major is based on: (1) formal application, (2) completion of specified prerequisites, and (3) cumulative grade point average. (See Entrance to Major (ETM) information available from your adviser, or http://www.ed.psu.edu/educ/current-students/undergrad/academic-programs-1/entrance-and-exit-criteria).

Students must participate in a formal Entrance to Major process in a designated selection pool typically during the fourth semester in the Spring. New students from other institutions and current Penn State students who wish to be considered for a change of major into SECED also participate in appropriate, designated selection pools.

General sequences and block scheduling patterns of certain required courses follow. (This is not a complete semester-by-semester schedule.) General Education Courses and Prescribed, Supporting, and Additional Courses should be completed prior to student teaching.

### Requirements for Consideration for Entrance to Major

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MATH 140</td>
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<td>MATH 141</td>
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<tr>
<td>MATH 230 or 231 &amp; 232</td>
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<tr>
<td>CMPSC 101 or CSE 121</td>
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<tr>
<td>PSYCH 100</td>
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<tr>
<td>EDPSY 14</td>
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<tr>
<td>C I 295</td>
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<td>MATH 220</td>
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### Prerequisites for 411 Methods Courses

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<th>Course</th>
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<td>MATH 311W</td>
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### Prerequisites for 412 Methods Course and C I 495C

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<th>Course</th>
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<tbody>
<tr>
<td>MTHED 411</td>
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<td>MTHED 427</td>
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### Prerequisites for Student Teaching

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<tr>
<th>Course</th>
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<tr>
<td>“C” or better in Specified Courses</td>
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### Student Teaching Practicum

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<th>Course</th>
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<tr>
<td>C I 495E</td>
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(No additional coursework permitted during Student Teaching)

### Additional Courses Required for Student Teaching

<table>
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<tr>
<th>Course</th>
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<tr>
<td>PSYCH 412 or HD FS 239</td>
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<tr>
<th>Course</th>
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<tr>
<td>MATH 310P</td>
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### Work Experience

- Major Preference confirmation via eLion
- *Must be met by the end of Fall semester prior to the Entrance to Major process during the Spring

### RETENTION and EXIT CRITERIA

Candidates for the baccalaureate degree and a Pennsylvania teacher certificate must (1) maintain throughout the program of study the cumulative grade point average required for admission to the program, and complete (2) the academic program requirements, (3) any applicable tests and clearances required by the Pennsylvania Department of Education.

For complete information about Entrance/Retention/Exit Criteria applicable to teacher preparation programs, and eligibility for Pennsylvania Teacher Certification, please see: http://www.ed.psu.edu/educ/current-students/undergrad/academic-programs-1/entrance-and-exit-criteria