# Worksheet for SEC. EDUC. MATHEMATICS, B.S.

## Depts. of Education and Physical Sciences

### COMMON CORE:

- 15 Credits
- Analytical Reading/Writing: WRT102
- Academic Writing: WRT202
- Human Communication: CM104
- Calculus I: MAT171
- Physical Education (2 crs.): _____

### AREA DISTR. REQUIREMENTS:

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<th>I. Fine Arts &amp; Humanities</th>
<th>6 Credits</th>
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<th>II. Social &amp; Behav. Sciences</th>
<th>SATISFIED BY MAJOR REQUIREMENTS</th>
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<th>III. Laboratory Sciences</th>
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<th>IV. Amer./West. Cív., Amer. Govt.</th>
<th>6 Credits</th>
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<th>V. Int'l. Studies/Foreign Lang.</th>
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### DISCPL. CERT. REQ.:

- 47-48 Credits
- Calculus II: MAT172
- Elem. Linear Algebra: MAT260
- Calculus III: MAT271

**OR**

- Applied Mathematics: MAT291
- Differential Equations: MAT272
- Mathematical Structures: MAT280
- Modern Geometry: MAT345
- Probability and Statistics: MAT350
- History of Math: MAT360

* Plus FOUR of the following courses: (Certain 400-level math courses may substitute for these courses with the approval of the math faculty.)

- MAT210
- MAT360
- MAT361
- MAT362
- MAT371
- MAT372
- MAT391
- MAT491
- MAT493

**Pre-Professional Educator Status (PPES)**

- 15 Credits
- Intro. American Edu.: EDU200
- Instructional Technology: EDU210
- Psych. Teaching/Leaning/Sec.: EDU375
- General Psychology: PSY100
- SPE Processes & Procedures: SPE200

### Professional Prep. Courses:

- 19 Credits
- Instructional needs of ELL: EDU335
- Community/Legal Issues: SE460
- Math Standards: MAT355
- Teaching Sec. Ed. Math: SE355
- Teaching Strategies: SE351
- Effective Inst'l Methods: SPE300
- Literacy Development: SPE301

### Professional Semester:

- 12 Credits
- 3.0 GPA prerequisite for professional semester

**OR**

- Student Teaching: SE495
- Focused Studies: SE490
- Pract. in Student Teaching:SE485
- Selected Topics in Education: SE490

**OR**

- Alternate Program: Directed Professional Educ. Exp.: SE475

### Professional Semester:

- 12 Credits
- 3.0 GPA prerequisite for professional semester

**OR**

- Alternate Program

- Course must be taken at YCP.

- A grade of "2.0" or better is required in each course.

- To be taken semester before student teaching.

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All courses must be completed with a minimum "2.0" grade. Courses may not be taken on a pass/fail basis.

A minimum of 12 Credits of the Area Distribution Requirements must be at the 200-level or above. Courses may not be taken on a pass/fail basis. See Registrar’s Office for official list of courses.

Six credits are to be taken in one of these two areas; if foreign language is selected, six credits must be in one language.

Requirements listed apply to students who matriculate into or declare this major during the 2013-2014 academic year.

Advancement to PPES requires successful completion of WRT102, WRT202, MAT171, MAT172, EDU200 and EDU210 with a minimum grade of "3.0" in each course and successful completion of the PRAXIS I or PAPA exams.

Students electing Alternate Program will select SE475 and other appropriate course work. Must have prior approval from Advisor and Department Chair of Education.