# School of Teacher Education

## College of Sciences and Technology

### Bachelor of Science Mathematics Advisement Grid

(With Secondary Teacher Certification Track 6-12)

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**Effective:**

**Name:**

**Date of Entrance:**

**Advisor:**

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<th>Sem</th>
<th>Gr</th>
<th>Hrs</th>
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**GENERAL EDUCATION - 60 Semester Hours**

**Area A Essential Skills - 9 Hrs**

- ENGL 1101-Eng Comp 1 3*
- ENGL 1102-Eng Comp 2 3*
- MATH 1113-Pre-Calculus 3*

**Area B Institutional Options - 5 Hrs**

- AFRS 1501-African Amer History 2
- HUMN1201-Critical Think & Com 3

**Area C Humanities/Fine Arts - 6 Hrs**

Choose one:

- ARTS 1101; MUSC 1101: THEA 2101 3

**Area D Science, Mathematics and Technology - 11 Hrs**

Choose one:

- CIS/CSCI 1130, ENV 1140; EDUC 2000 3*
- PHYS 1111K 4*
- PHYS 1112K 4*

**Area E Social Science -12 Hrs**

Choose one:

- HIST 2111-United States History or HIST 2112-United States History 3
- POLS 1101 American Government 3
- POLS 2401-Global Issues 3
- PSYC 2103-Human Growth&Devlp (Pre-Requisite PSYC 1101) 3

**ADDITIONAL REQUIREMENTS - 5 Hrs**

Choose one:

- HEDU 1101, 1111, 1201 or 1211 2*

**Area F Concentration in Secondary Education - 33 Hrs**

Choose one:

- MATH 3101 Linear Algebra 3*
- MATH 3201 Probability and Statistics I 3*
- MATH 3211 Foundation of Higher Math 3*
- MATH 4101 Abstract Algebra I 3*
- MATH 4201 Analysis I 3*

**Secondary Education Cognate Area - 12 Hrs**

- MATH 3401 Modern Geometry 3*

Choose three of the following:

- MATH 3301 Differential Equations 4*
- MATH 3501 Numerical Analysis 3*
- MATH 4111 Abstract Algebra II 3*
- MATH 4211 Analysis II 3*
- MATH 4221 Complex Analysis 3*
- MATH 4311 Probability and Statistics II 3*
- MATH 4401 Number Theory 3*
- MATH 4411 Statistical Methods 3*
- MATH 4421 Regression Analysis 3*
- MATH 4501 Intro to Topology 3*
- MATH 4701 History of Math 3*
- MATH 4901 Senior Seminar 3*

**Area F Mathematics Core - 18 Hrs**

Choose one of the following:

- MATH 2101 Calculus I 4*
- MATH 2111 Calculus II 4*
- MATH 2121 Calculus III 4*

Choose one of the following:

- CSCI 1301 Computer Science I 3*
- CSCI 1601 Programming in Java 3*

Choose one of the following:

- MATH 2201 Elem Statistic 3*
- MATH 2301 Discrete Mathematics 3*

**ADDITIONAL REQUIREMENTS - 5 Hrs**

- MAED 4416 Methods of Teaching Math 6-12 3*
- MAED 4417 Math Methods & Classroom Management 3*
- EDUC 4475 Student Teaching 12*

**COLLEGE PREPARATORY COURSES (if required)**

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*A minimum of “C” is required for this course

Students who have successfully completed 91 hours must submit their application for graduation to the registrar's office.

*Revised August 20, 2015*