

## Bachelor of Science Teacher Education Degree Program Secondary Mathematics – Program Code S 500

### Program Description

The Bachelor of Science Teacher Education Secondary Mathematics degree is designed to qualify its graduates to teach math in grades 6-12. Admission to Broward College does not constitute admission to the Teacher Education programs; a supplemental application is also required. Students must meet all Teacher Education program admission requirements before acceptance into the program. Students must pass all state qualifying examinations in order to be certified to teach. The FTCE General Knowledge Exam must be passed prior to completing 15 semester credit hours of the Junior year. Students are required to have 2-years of sequential foreign language studies from high school or 8 semester credit hours from college prior to graduation of Bachelor of Science degree.

The Bachelor of Science Teacher Education degree program uses a 2+2 model requiring the completion of an Associate Degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university for entry into the program; these must include 36 hours of General Education Core Requirements. (See below).

<b>BS SECONDARY MATHEMATICS DEGREE COMPONENTS</b>	
<b>LOWER DIVISION COURSEWORK in semester credit hours</b>	<b>60</b>
<b>Associate Degree Program of Study Program Electives</b> (to include EDF1005, EDF2085, EME2040)	24
<b>General Education Core Requirements Credits:</b> Communication (9), Math (6) Humanities (6) Social Behavioral Science (6) Biological Science (3) Physical Science (3) Lab (1), Wellness (2)	36
<b>Note:</b> Students in the Secondary Math Program should strive to include the following Math courses within their lower division educational plan: MAC 1105, MAC 1140, MAC 1114, STA 2023, MAC 2311 and MAC 2312.	
<b>UPPER DIVISION COURSEWORK in semester credit hours</b>	<b>60</b>
<b>TOTAL</b>	<b>120</b>
<b>NOTE: Students who want the Reading endorsement must take additional course RED 4519</b>	
<b>Students who want the ESOL endorsement must take additional course TSL 4081</b>	

### UPPER DIVISION COURSEWORK

#### First Semester Junior - Term I

EDP 4004	Principles of Educational Psychology	3
RED 3342	Foundations of Reading (16 hours field experience)	3
MAS 2103	Linear Algebra (Prerequisites: MAC 1114, MAC 1140)	3
TSL 3080	ESOL Issues & Strategies I (15 hours field experience)	3
EDG 4410	Classroom Management & Communications (Pre or co-requisite: EDP 4004)	3
<b>Total term credit hours</b>		<b>15</b>

#### Second Semester Junior - Term II

EEX 3011	Introduction to ESE (10 hours field experience)	3
EDF 4430	Measurement, Evaluation, and Assessment in Education	3
MAD 2104	Discrete Mathematics (Prerequisite: MAC 1140)	3
EDF 3280	Instructional Strategies (10 hours field experience) (Pre or Co-requisite: EDP 4004)	3
MAE 4330	Methods of Teaching Math in the Secondary School (20 hours field experience)	3
<b>Total term credit hours</b>		<b>15</b>

#### Third Semester Junior - Term III

MHF 4404	History of Mathematics (Prerequisites: MAC 2311, MAD 2104)	3
MTG 3212	Geometry (Prerequisite: MAD 2104)	3
<b>Total term credit hours</b>		<b>6</b>

#### Fourth Semester Senior - Term 1

RED 3352	Reading in the Content Area (Prerequisite: RED3342) (16 hours field experience)	3
MAS 4300	Abstract Algebra with Introductory Number Theory (Prerequisites: MAC 2311, MAD 2104)	3
MAE 3941	Interactive Middle School and Secondary School Projects (Prerequisite: MAE 4330)	3
MAE 3148	Teaching Middle School and Secondary School Practicum (Co-requisite: MAE 3941) (50 hours field experience)	3
<b>Total term credit hours</b>		<b>12</b>

#### Fifth Semester Senior - Term 2

MAE 4945	Student Teaching (35 hours weekly for 15 weeks)	<b>9-12</b>
Completion of all program requirements		
<b>Total term credit hours</b>		<b>9-12</b>

**Total Upper Division Credit Hours** **60**