

## Bachelor of Science in Education Degree Program Middle Grades Mathematics – Program Code S400

### Program Description

The Bachelor of Science in Education for Middle Grades Mathematics Education is designed to qualify its graduates to teach math in grades 5-9. 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. In addition to the required coursework, students must pass the Florida Teacher Certification Exams.

The Bachelor of Science in Education uses a 2+2 model requiring the completion of an Associate of Arts 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>B.S. ED MIDDLE GRADES MATHEMATICS EDUCATION 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 must include the following Math courses within their lower division educational plan: MAC 1105, MAC 1140, MAC 1114, STA 2023, and MAC 2311.	
<b>Foreign Language Requirement:</b> 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.	
<b>UPPER DIVISION COURSEWORK in semester credit hours</b>	<b>60</b>
<b>TOTAL</b>	<b>120</b>

### UPPER DIVISION COURSEWORK

#### First Semester Junior - Term I

EEX 3011	Introduction to ESE*	3
RED 3342	Foundations of Reading *	3
TSL 3080	ESOL Issues & Strategies I *	3
MAD 2104	Discrete Mathematics‡	3
EDF 3280	Instructional Strategies*	3
EDF 4930	Special Topics	1
<b>Total term credit hours</b>		<b>16</b>

#### Second Semester Junior - Term II

EDP 4004	Educational Psychology	3
MAS 2103	Linear Algebra‡	3
MAE 4320	Methods of Teaching Math in the Middle School*‡	3
EDG 4410	Classroom Management *	3
RED 3352	Reading in the Content Area *‡	3
<b>Total term credit hours</b>		<b>15</b>

#### Third Semester Junior - Term III

MHF 4404	History of Mathematics‡	3
MTG 3212	Geometry‡	3
<b>Total term credit hours</b>		<b>6</b>

#### Fourth Semester Senior - Term 1

EDF 4430	Educational Tests and Measurements‡	3
MAS 4300	Abstract Algebra with Introductory Number Theory‡	3
MAE 3143	Interactive Middle School and Secondary School Projects *‡	3
MAE 3941	Teaching Middle School and Secondary School Practicum *‡	3
<b>Total term credit hours</b>		<b>12</b>

#### Fifth Semester Senior - Term 2

MAE 4945	Student Teaching 11 Completion of all program requirements (35 hours weekly for 15 weeks)	11
<b>Total term credit hours</b>		<b>11</b>
<b>Total Upper Division Credit Hours</b>		<b>60</b>

\* Field Experience required: see course description.

‡ Prerequisite and/or co-requisites required: see course description

**It is strongly recommended that students see an advisor every term.**