

Bachelor of Science Teacher Education Degree Program Secondary Mathematics – Program Code S500

Program Description

The Bachelor of Science in Education for Secondary Mathematics Education 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. 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.S. ED SECONDARY MATHEMATICS EDUCATION COMPONENTS	
LOWER DIVISION COURSEWORK in semester credit hours	60
Associate Degree Program of Study Program Electives (to include EDF1005, EDF2085, EME2040)	24
General Education Core Requirements Credits: Communication (9), Math (6) Humanities (6) Social Behavioral Science (6) Biological Science (3) Physical Science (3) Lab (1), Wellness (2), Computer Competency	36
Note: 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, MAC 2311 and MAC 2312.	
Foreign Language Requirement: 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.	
UPPER DIVISION COURSEWORK in semester credit hours	60
TOTAL	120

UPPER DIVISION COURSEWORK

First Semester Junior - Term I

EEX 3011	Introduction to ESE	3
RED 3342	Foundations of Reading * (20 hours field experience) (Co-requisite TSL3080)	3
MAD 2104	Discrete Mathematics (Prerequisites MAC 1140)	3
TSL 3080	ESOL Issues & Strategies I * (20 hours field experience) (Co-requisite RED3342)	3
EDF 3280	Instructional Strategies (10 hours field experience)	3
Total term credit hours		15

* 20 hours combined Field Experience

Second Semester Junior - Term II

EDP 4004	Principles of Educational Psychology	3
MAS 2103	Linear Algebra (Prerequisite MAC 1140 & MAC1114)	3
MAE 4330	Methods of Teaching Math in the Secondary School (20 hours field experience)	3
EDG 4410	Classroom Management ** (Co-requisite RED3352) (20 hours field experience)	3
RED 3352	Reading in the Content Area ** (Prerequisite: RED3342, Co-requisite EDG4410) (20 hours field experience)	3
Total term credit hours		15

** 20 hours combined Field Experience

Third Semester Junior - Term III

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

Fourth Semester Senior - Term 1

EDF 4430	Educational Tests and Measurements	3
MAS 4300	Abstract Algebra with Introductory Number Theory (Prerequisites MAC 2311, MAD 2104)	3
MAE 3143	Interactive Middle School and Secondary School Projects *** (Prerequisite MAE 4330, Co-requisite MAE3941) (50 hours field experience)	3
MAE 3941	Teaching Middle School and Secondary School Practicum *** (Prerequisite MAE 4330, Co-requisite MAE 3143) (50 hours field experience)	3
Total term credit hours		12

Fifth Semester Senior - Term 2

MAE 4945	Student Teaching (35 hours weekly for 15 weeks)	12
Completion of all program requirements		
Total term credit hours		12

Total Upper Division Credit Hours **60**