

SECONDARY MATHEMATICS ED (B.A.)

The Bachelor of Arts (B.A.) in Secondary Mathematics Education is designed to prepare students to teach mathematics in Florida in grades 6-12. The program of study includes course work in mathematics as well as education, with extensive field experiences in secondary school settings in the FGCU five-county service area (Charlotte, Collier, Glades, Hendry, and Lee) to enable students to integrate learning theory with teaching practice.

Program Progression and Additional Graduation Requirements

Degree-seeking students are classified as pre-majors prior to formal transition into a College of Education (COE) major. In order to transition from a COE pre-major to a major, students must complete the following:

- An overall GPA of 2.5 on all credits attempted.
- Attempt all subsections of the Florida Teacher Certification Examination (FTCE) General Knowledge Test. Please refer to Rule: 6A-4.0021 - Florida Teacher certification Examinations for alternative assessment options.
- Satisfy all General Education requirements.
- Satisfy the College-Level Skills requirements.
- Satisfy common prerequisite requirements.
- Successfully complete a background check.

Students must have passed the FTCE Subject Area Exam prior to beginning Block Four Integrated Field Experience.

Students must complete all coursework and have passed the FTCE Professional Education Exam prior to beginning Block Five Internship.

In addition to the program requirements and to qualify for Florida Teacher Certification, students must:

- Pass the FTCE, General Knowledge Test (or alternative assessment option), the subject area examination and the Professional Education Test.
- Complete a minimum of 120 credits.
- Complete a minimum of 48 of the 120 credits at the upper division (3000-4999 level).
- Satisfy the residency requirement: 30 of the last 60 credits must be completed at FGCU.
- Earn a cumulative GPA of 2.0 for all coursework attempted at FGCU.
- Satisfy the College-Level skills and foreign language admission requirements.
- Satisfy the Service-Learning requirement.
- Satisfy the Civic Literacy requirement.
- Complete the summer course enrollment requirement.
- Submit an Application for Graduation by the deadline listed in the FGCU Academic Calendar.

Program Requirements

Code	Title	Credits
FGCU General Education Program (https://www.fgcu.edu/academics/undergraduatelstudies/generaleducation/)		

To prevent or minimize excess hours, select general education courses that satisfy common prerequisite requirements for your intended major.

Common Prerequisites

A minimum grade of C is required in each course

EDF 2005	Intro to Teach Prof (Acceptable Substitute: EDFX005)	3
MAC 2311	Calculus I (Acceptable Substitute: MACX311 or MACX241)	4
MAC 2312	Calculus II (Acceptable Substitute: MACX312)	4
MAC 2313	Calculus III (Acceptable Substitute: MACX000-X999 or MTGX000-X999 or MASX000-X999)	4

Required Courses in the Major (51 credits)

A minimum grade of C in each course and a GPA of 2.5 is required

EDF 3132	Adolescent Growth & Dev	3
EDF 3251	Classroom Org & Management	3
EDF 4470	Classroom Assessment	3
EDG 3323	Professional Teaching Practice	3
EDG 4937	Sr Seminar-Initial Teach Prep (capstone)	3
EDS 3942	Clinical Experience 1	3
EEX 4070	Integrat Except Stud in Gen Ed	3
MAE 4152	Math Methods: 6-12 Grades	3
MAE 4940	Internship: Mathematics Educ.	9
MAE 4942	Integr Field Experience: Math	3
MAP 2302	Differential Equations	3
MAS 3105	Linear Algebra	3
MHF 2191	Mathematical Foundations	3
RED 4350	Literacy Content and Processes	3
TSL 4340	Methods, Cur, and Instr Effect	3

Restricted Electives in the Major ¹ (6 credits)

Select from the following with approval of the college academic advisor/student success counselor:

MAA 4226	Analysis I ¹	3
MAD 3107	Discrete Mathematics	3
MAP 3161	Math for Science & Engineering	4
MAP 3162	Probability & Statistics	4
MAP 3163	Operations Research I	3
MAS 4301	Abstract Algebra I ¹	3
MHF 4404	History of Mathematics	3
STA 3163	Applied Statistics	3
STA 4234	Intro. to Regression Analysis	3

Sustainability Course Graduation Requirement (3 credits)

Select at least 3 credits in sustainability coursework (SCGR Attribute)

Additional Electives

As needed to reach total credits required for the degree

Recommended options include:

EME 2040	Intro to Tech for Educ	3
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¹ Recommended for candidates who may wish to pursue 18 graduate credits or more in math.

Total Credits Required: 120