



## COLLEGE OF EDUCATION

# BACHELOR OF SCIENCE: MATHEMATICS EDUCATION

### YEAR 1 FALL

MAC 2311\* 5  
 ENC 1101 3  
 EDF 1005 3  
 General Education/Elective 3

**TOTAL: 14**

### YEAR 1 SPRING

MAC 2312 5  
 Social Science State Core 3  
 Humanities State Core 3  
 General Education/Elective 3  
 General Education/Elective 3

**TOTAL: 17**

### YEAR 2 FALL

MAC XXXX \*\* 3-4  
 Natural Science State Core 4  
 General Education/Elective 3  
 General Education/Elective 3  
 General Education/Elective 3

**TOTAL: 16-17**

### YEAR 2 SPRING

General Education/Elective 3  
 General Education/Elective 3  
 General Education/Elective 3  
 General Education/Elective 3  
 General Education/Elective 3

**TOTAL: 15**

\*These classes may have prerequisites that must be taken before. Check with your Academic Advisor.

\*\* MAC, MTG, or MAS Math Elective: MAC 2313 Calculus III strongly recommended

General Knowledge Test should be taken around holiday break/early spring. Test scores take from 6-8 weeks to return.

College of Education strongly recommends EDF 2085 AND EME 2040 for elective coursework.

### YEAR 3 FALL USE

MAE 4320 Teaching Mathematics in the Middle Grades 3  
 MGF 3301 Bridge to Abstract Mathematics 3  
 MTG 4214 or MTG 3212 3  
 EDF 3604 Schools and Society 3

**TOTAL: 12**

### YEAR 3 SPRING USE

MAE 4330 Teaching Senior High School Mathematics 3  
 MAD 3107 Discrete Mathematics 3  
 MAS 3105 or MAS 4301 3  
 MAE 4652 Technology for Teaching Secondary School Math 3  
 EDF 3214 Human Development and Learning 3

**TOTAL: 15**

*Apply for final internship at the end of spring.*

### YEAR 3 SUMMER USE

MAE 4551 Reading the Language of Mathematics 3  
 TSL 4324 ESOL Competencies and Strategies 3  
 EEX 4070 Integrating Exceptional Students in the Regular Classroom 3

**TOTAL: 7**

### YEAR 4 FALL USE

MAS 4214 Elementary Number Theory 3  
 MAE 4945 Practicum in Mathematics Education 3  
 MHF 4403 The Early History of Mathematics 3  
 ESE 4322 Classroom Mgmt. for Diverse School & Society 3  
 EDF 4430 Measurement for Teachers 3

**TOTAL: 15**

*Recommended to take FTCE Subject Area and Professional Education Exams Fall of final year*

### YEAR 4 SPRING USE

MAE 4940 Internship: Mathematics Education 9  
 MAE 4936 Senior Seminar in Mathematics Education 3

**TOTAL: 12**

**The following is additional information for the Mathematics Education major:**

- The College of Education has a SEPARATE APPLICATION PROCESS from that of the University of South Florida. Please allow enough time to apply and received acceptance to USF before applying to the College.
- The Mathematics Education program admits all three terms (fall, spring, summer)
- All applicants to the COEDU (except Exercise Science) must take and pass all sections of the General Knowledge Test, including Math, Reading, Language, and Essay.
- All applicants must have a cumulative GPA of 2.5
- EDF 1005 must have been passed with a C- or better. As long as all pre-requisite courses are complete or IN-PROGRESS the student may apply.
- Florida Teacher Certification Exams (Professional Education and Subject Area Exams) are required for graduation, as the degree is tied to earning a Florida Teaching Certificate. Students are encouraged to take these in fall of the last year to ensure enough time to retest if necessary. Certification will be reflected on the official transcripts.
- The Mathematics Education Program is a joint program between the College of Education and the College of Arts and Sciences. Throughout this program students will develop skills in problem solving, reasoning, and argumentation. Curriculum encompasses methods of inquiry and pedagogy appropriate for the investigation of mathematical concepts, quantitative reasoning and logic. This program is designed to prepare effective teachers of middle and high school mathematics who are knowledgeable, reflective, caring, and are able to meet the needs of a diverse student population.

Students interested in Mathematics Education may email [edu-advise@usf.edu](mailto:edu-advise@usf.edu)

For general transfer advising inquiries please contact [transfer-advising@usf.edu](mailto:transfer-advising@usf.edu)



**HCC**

**SF** SANTA FE  
COLLEGE



**SPC** St. Petersburg  
College



**GUARANTEED ADMISSION TO USF**



COLLEGE of  
CENTRAL  
FLORIDA

