

**BA MATHEMATICS
2019-2020**

Name: _____ ID#: _____ Anticipated Grad Date: _____

MAJOR REQUIREMENTS: (35 hours)

<u>Cr Hrs.</u>	<u>Course</u>	<u>Term</u>	<u>Grade</u>
3	MAT 141 Probability & Statistics	_____	_____
3	MAT 200 Discrete Mathematics	_____	_____
4	MAT 211 Calculus and Analytic Geometry I	_____	_____
4	MAT 221 Calculus and Analytic Geometry II	_____	_____
4	MAT 231 Calculus and Analytic Geometry III	_____	_____
3	MAT 251 Introduction to Scientific Computing	_____	_____
3	MAT 341 Linear Algebra	_____	_____
3	MAT 351 Differential Equations	_____	_____
3	MAT 361 Modern Algebra	_____	_____
3	MAT 411 Real Analysis.....	_____	_____
1	MAT 449 Senior Project Preparation.....	_____	_____
3	MAT 450 Mathematics Senior Project	_____	_____

Restricted Electives (9 Hours): Select from any MAT course numbered above 250. PHY 204 may also be counted as a restricted elective. Students seeking teacher licensure should take the recommended restricted electives under Teacher Licensure.

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Teacher Licensure in Mathematics (Grades 9-12) Students wishing to earn teacher licensure in Mathematics must major in Mathematics

3	MAT 410 Euclidian Geometry.....	_____	_____
3	MAT 412 Complex Variables	_____	_____
Select 1			
3	MAT above 250 OR PHY 204.....	_____	_____

Professional Studies & Licensure Requirement (40 Hours)

Professional Studies:

3	EDU 205 21st Century Teacher & Learner.....	_____	_____
3	EDU 303 Diverse and Exceptional Learners	_____	_____
3	EDU 304 Teaching in the Digital Age	_____	_____
3	EDU 305 Facilitation of Learning	_____	_____
3	EDU 340 Secondary & K-12 Methods	_____	_____
2	EDU 401 Student Teaching Seminar	_____	_____
14	EDU 402 Student Teaching Secondary.....	_____	_____
3	PSY 101 General Psychology	_____	_____
3	PSY 230 Life-Span Development	_____	_____
3	WLE 220 Theory and Practice of Experiential Education.....	_____	_____

* For transfer courses indicate grade of T and in course column indicate transfer course prefix and number. If a course substitution, attach course substitution form.

<p>GRADUATION REQUIREMENTS:</p> <ul style="list-style-type: none"> • Minimum 124 semester hours • Minimum cumulative GPA of at least 2.0 in all coursework at Brevard and minimum cumulative GPA of at least 2.0 in all courses required for major. Some majors may have more stringent requirements (see major requirements in catalog) • Complete a minimum of 32 semester hours at Brevard and complete 50% of major requirements at Brevard. • Errors contained on the checklist do not release the student from meeting graduation
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