

Name: \_\_\_\_\_

## Checklist For the B.S. Degree in Mathematics

### Emphasis in Applied Mathematics

See Dr. Joe Mahafy or Dr. Carmelo Interlando for undergraduate advising

#### Preparation For the Major

Math 150	4	_____	MATH 254	3	_____
MATH 151	4	_____	STAT 250	3	_____
MATH 245	3	_____	CS 107	3	_____
MATH 252	4	_____			

#### Impaction

The Mathematics major is an impacted program. To be admitted to the Mathematics major, students must meet the following criteria:

- Complete with a grade of C (2.0) or better: Mathematics 150, 151, 245, 252, 254, Statistics 250, and Computer Science 107. These courses cannot be taken for credit/no credit (Cr/NC). The cumulative GPA in Mathematics 245, 252, and 254 must be a C+ (2.3) or better.

#### Major (Minimum of 36 upper division units)

##### Courses Required for all MATH Majors

MATH 320	3	_____
MATH 330	3	_____
MATH 337	3	_____
MATH 340	3	_____
MATH 524/543	3/3	_____
MATH 530/531/532	3/3/3	_____
STAT 350A/550/551A	3/3/3	_____

##### Elective Courses (15+ units)

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

Total Elective Units \_\_\_\_\_

15 units of electives in mathematics or an area to which mathematics may be applied (approved by the applied mathematics adviser) excluding Mathematics 302, 303, 312, 313, 342A, 342B, 413, 414, 509. Students planning to take Mathematics 499 as an elective course must obtain approval from the program adviser.

#### Auxiliary Area

A minimum of 10 units (lower or upper division) from an area to which mathematics may be applied. A typical program might be Physics 195, 195L, 196, 196L, 197, 197L; or Chemistry 200, 201, and a course for which these are prerequisite; or Economics 101, 102, 320, 321. The intent is to train the student in an area in some depth. Some latitude may be allowed in the choice of department and mix of courses, but all programs must be approved by the Applied Mathematics adviser.

The 10 unit requirement is minimal, and a minor in an approved field is highly recommended.