

TEXAS A&M UNIVERSITY CORPUS CHRISTI
MASTER OF SCIENCE IN MATHEMATICS - 2021-2022 CATALOG
STATISTICS OPTION (STAT)

Name: _____

ID#: _____

COMPETENCY REQUIREMENTS

5310 MATH 3311 Linear Algebra
5310 MATH 3342 or Statistical modeling and Data Analysis
3345 or Applied Probability and Statistics
MATH 2415 CALCULUS III

CORE COURSES (12 HOURS)

MATH 5341 STATISTICAL METHODS & DATA ANALYSIS
MATH 5342 LINEAR STATISTICAL MODELS
MATH 5343 MATHEMATICAL THEORY of STATISTICS
MATH 5345 COMPUTATIONAL METHODS FOR STATISTICS

Grade HRS. TERM

_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____

ELECTIVES from MATH or closely related field (15-18 SCH)

MATH 5333 NUMERICAL LINEAR ALGEBRA
MATH 5336 ADVANCED DIFFERENTIAL EQUATIONS
MATH 5337 THEORY & APPLICATIONS OF PD EQUATIONS
MATH 5339 NUMERICAL ANALYSIS
MATH 5348 OPTIMIZATION
MATH 5351 REAL ANALYSIS
MATH 5360 COMBINATORICS AND GRAPH THEORY
MATH 5375 APPLIED ANALYSIS
MATH 5993 LITERATURE REVIEW & RESEARCH (1-9 SCH variable)
MATH 6344 SPATIAL STATISTICS

_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____

WITH PRIOR APPROVAL FROM THE DEPARTMENT CHAIR, A STUDENT MAY SELECT OFFERINGS OF:

MATH 5390 SPECIAL TOPICS IN MATHEMATICS
MATH 5396 DIRECTED INDEPENDENT STUDY

_____	<u>3</u>	_____
_____	<u>3</u>	_____

15

THESIS (6-9 HOURS)

MATH 5994 PROPOSAL RESEARCH (1-3 credits) 3 SCH required
MATH 5995 THESIS or
MATH 5997 PROJECT

_____	<u>3</u>	_____
_____	<u>3</u>	_____
_____	<u>3</u>	_____

NOTE: Please refer to catalog for more detailed information

TOTAL HOURS

36

GPA (MIN. 3.0):

Print and Sign name

Student	_____	date	_____
Faculty Advisor	_____	date	_____
Dept Chair or Prog. Coord.	_____	date	_____