

TEXAS A&M UNIVERSITY CORPUS CHRISTI
 MASTER OF SCIENCE IN MATHEMATICS - 2020-2021 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)

	Grade	HRS.	TERM
MATH 5341 <u>STATISTICAL METHODS & DATA ANALYSIS</u>	_____	3	_____
MATH 5342 <u>LINEAR STATISTICAL MODELS</u>	_____	3	_____
MATH 5343 <u>MATHEMATICAL THEORY of STATISTICS</u>	_____	3	_____
MATH 5345 <u>COMPUTATIONAL METHODS FOR STATISTICS</u>	_____	3	_____

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

MATH 5333 <u>NUMERICAL LINEAR ALGEBRA</u>	_____	3	_____
MATH 5336 <u>ADVANCED DIFFERENTIAL EQUATIONS</u>	_____	3	_____
MATH 5337 <u>THEORY & APPLICATIONS OF PD EQUATIONS</u>	_____	3	_____
MATH 5339 <u>NUMERICAL ANALYSIS</u>	_____	3	_____
MATH 5348 <u>OPTIMIZATION</u>	_____	3	_____
MATH 5351 <u>REAL ANALYSIS</u>	_____	3	_____
MATH 5360 <u>COMBINATORICS AND GRAPH THEORY</u>	_____	3	_____
MATH 5375 <u>APPLIED ANALYSIS</u>	_____	3	_____
MATH 5993 <u>LITERATURE REVIEW & RESEARCH (1-9 SCH variable)</u>	_____	3	_____
MATH 6344 <u>SPATIAL STATISTICS</u>	_____	3	_____

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

MATH 5390 <u>SPECIAL TOPICS IN MATHEMATICS</u>	_____	3	_____
MATH 5396 <u>DIRECTED INDEPENDENT STUDY</u>	_____	3	_____
		15	

THESIS (6-9 HOURS)

MATH 5994 <u>PROPOSAL RESEARCH (1-3 credits) 3 SCH required</u>	_____	3	_____
MATH 5995 <u>THESIS or</u>	_____	3	_____
MATH 5997 <u>PROJECT</u>	_____	3	_____

NOTE: Please refer to catalog for more detailed information

TOTAL HOURS 36

GPA (MIN. 3.0): _____