

TEXAS A&M UNIVERSITY CORPUS CHRISTI
MASTER OF SCIENCE IN MATHEMATICS - 2021-2022 CATALOG
APPLIED AND COMPUTATIONAL MATHEMATICS (APCM)

Name: _____

ID#: _____

COMPETENCY REQUIREMENTS

5310	MATH	3311	LINEAR ALGEBRA	_____
5310	MATH	3315	DIFFERENTIAL EQUATIONS	_____
	MATH	2415	CALCULUS III	_____
5310	MATH	4301	INTRODUCTION TO ANALYSIS	_____

CORE COURSES (12 HOURS)

		Grade	HRS.	TERM
MATH 5333	<u>NUMERICAL LINEAR ALGEBRA</u>	_____	<u>3</u>	_____
MATH 5336	<u>ADVANCED DIFFERENTIAL EQUATIONS</u>	_____	<u>3</u>	_____
MATH 5339	<u>NUMERICAL ANALYSIS</u>	_____	<u>3</u>	_____
MATH 5351	<u>REAL ANALYSIS</u>	_____	<u>3</u>	_____

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

MATH 5337	<u>THEORY & APPLICATIONS OF PD EQUATIONS</u>	_____	<u>3</u>	_____
MATH 5341	<u>STATISTICAL METHODS & DATA ANALYSIS</u>	_____	<u>3</u>	_____
MATH 5342	<u>LINEAR STATISTICAL MODELS</u>	_____	<u>3</u>	_____
MATH 5343	<u>MATHEMATICAL THEORY OF STATISTICS</u>	_____	<u>3</u>	_____
MATH 5345	<u>COMPUTATIONAL METHODS FOR STATISTICS</u>	_____	<u>3</u>	_____
MATH 5348	<u>OPTIMIZATION</u>	_____	<u>3</u>	_____
MATH 5360	<u>COMBINATORICS AND GRAPH THEORY</u>	_____	<u>3</u>	_____
MATH 5375	<u>APPLIED ANALYSIS</u>	_____	<u>3</u>	_____
MATH 5993	<u>LITERATURE REVIEW & RESEARCH (1-9 SCH variable)</u>	_____	<u>3</u>	_____
MATH 6344	<u>SPATIAL STATISTICS</u>	_____	<u>3</u>	_____

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

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

*OR GRADUATE COURSES OUTSIDE THE DEPARTMENT AS ELECTIVES.
PROPER DOCUMENTATION IS REQUIRED.*

15

THESIS (6-9 HOURS)

MATH 5994	<u>PROPOSAL RESEARCH (1-3 credits) 3 SCH required</u>	_____	<u>3</u>	_____
MATH 5995	<u>THESIS</u>	_____	<u>3</u>	_____
			9	

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/ Prog. Coord.	_____	date	_____