

Master of Science in Applied Mathematics

Quick Look 2017-2018*

Length of Program: 35 units, four semesters part-time over two years – no summer classes

Approximate Cost: \$580 per unit, \$20,300 plus \$355 per semester general fee

Program Starts: Fall (September) and Spring (January)

Priority Deadline: Application completion dates: Fall- May 15, Spring-November 1

Standard Deadline: Application completion dates: Fall-August 1, Spring-December 1

Program Format: Monday - Wednesday, 4:00 – 7:00pm or later

GPA Requirement: 3.0 for unconditional admission, 2.75 for conditional

GRE Requirement: GRE **not** required for applicants who meet GPA requirement

Accreditation: Western Association of Schools and Colleges (WASC)

*Requirements and cost subject to revision without notice

Application Requirements

1. Application for admission with a \$45 non-refundable graduate application fee at www.calbaptist.edu/gradapp
2. Bachelor's degree from a regionally accredited institution or evaluated equivalency
3. Minimum GPA of 3.0 for unconditional admission, 2.75 for conditional admission. Applicants with a GPA below 2.75 may be considered for admission
4. Official transcripts from a college or university reflecting completion of baccalaureate degree. Additional transcripts may be required for prerequisite verification; see specific program for required prerequisites.
5. Two recommendations. It is preferred that at least one recommendation be from a professor or instructor. Family and friends may not complete recommendations.
6. Comprehensive essay of at least 300 words to include:
 - Purpose for entering the program
 - Experiences that have directed your interest in applied mathematics
 - Application of mathematics that excite you
 - Reasons for choosing to study at CBU
7. Successful interview with the Director of the Applied Mathematics Program
8. An applicant whose first language is not English and/or does not have a degree from an institution where English is the primary language of instruction is required to demonstrate English proficiency by submitting a recent test score from Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS)

Advanced Calculus	Analytical Geometry & Calculus II
Multivariable Calculus	Differential Equations
Probability and Statistics	Linear Algebra
Mathematical Proofs and Structures	

Course Requirements

35 units

Core Courses

28 units

MAT 513	Ordinary Differential Equations	3
MAT 514	Partial Differential Equations	3
MAT 516	Math Biology	3
MAT 526	Linear Programming	3
MAT 533	Complex Analysis	3
MAT 553	Numerical Analysis	3
MAT 563	Stochastic Processes	3
MAT 576	Scientific Computing	4
STA 513	Applied Statistics	3
	OR	
STA 544	Biostatistics	

Research Requirements

4 units

MAT 590	Research in Applied Mathematics	1-4
MAT 598	Capstone in Applied Mathematics	1

Elective Courses

3 units

Additional 3 units from the following		
MAT 500	Special Topics	1-4
MAT 590	Research in Applied Mathematics	1-4
Or approved Engineering or CSC coursework		