**CBU** Graduate School

951.343.4249
graduateadmissions@calbaptist.edu
calbaptist.edu/grad

# Master of Science in Applied Mathematics

**Quick Look 2018-2019***
**Length of Program:** 32 units, four semesters part-time over two years
**Approximate Cost:** $605 per unit, $21,175 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:** Weekdays, 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)

## Prerequisites
Multivariable Calculus
Differential Equations
Probability and Statistics
Linear Algebra

## Course Requirements     32 units

| **Core Courses** | | **25 units** |
|---|---|---|
| MAT 503 | Functional Analysis with Applications | 3 |
| MAT 513 | Ordinary Differential Equations | 3 |
| MAT 514 | Partial Differential Equations | 3 |
| MAT 516 | Math Biology | 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 | 3 |

| **Research Requirements** | | **4 units** |
|---|---|---|
| MAT 590 | Research in Applied Mathematics | 3 |
| MAT 598 | Capstone in Applied Mathematics | 1 |

| **Elective Courses** | | **3 units** |
|---|---|---|
| Additional 3 units from the following | | |
| MAT 500 | Special Topics | 1-4 |
| MAT 526 | Linear Programming | 1-4 |
| MAT 533 | Complex Analysis | 1-4 |
| MAT 590 | Research in Applied Mathematics | 1-4 |
| Or approved EGR or CSC coursework | | |