Master of Science
MATHEMATICS

Designed to meet the global demand in:
Industry
High-tech
Academia

Channel Islands
CALIFORNIA STATE UNIVERSITY

CHANNEL YOUR **POTENTIAL**

The innovative MS Mathematics

degree program is a result of cooperation between mathematics, computer science, and physics faculty.

California State University Channel Islands, Master of Science in Mathematics is designed to address a global demand for people with advanced mathematical and computational skills throughout industry, high-tech and educational systems. The program, in collaboration with Computer Science, stresses interdisciplinary applications such as actuarial sciences, artificial intelligence, bioinformatics, cryptography, image recognition, mathematics education, and security. In addition, the program also offers a wide variety of courses in statistics, stochastic analysis, combinatorics and algebra taught by faculty with expertise in those fields.

Designed for working professionals, classes are offered during evenings based on schedule availability.

Wide variety of courses

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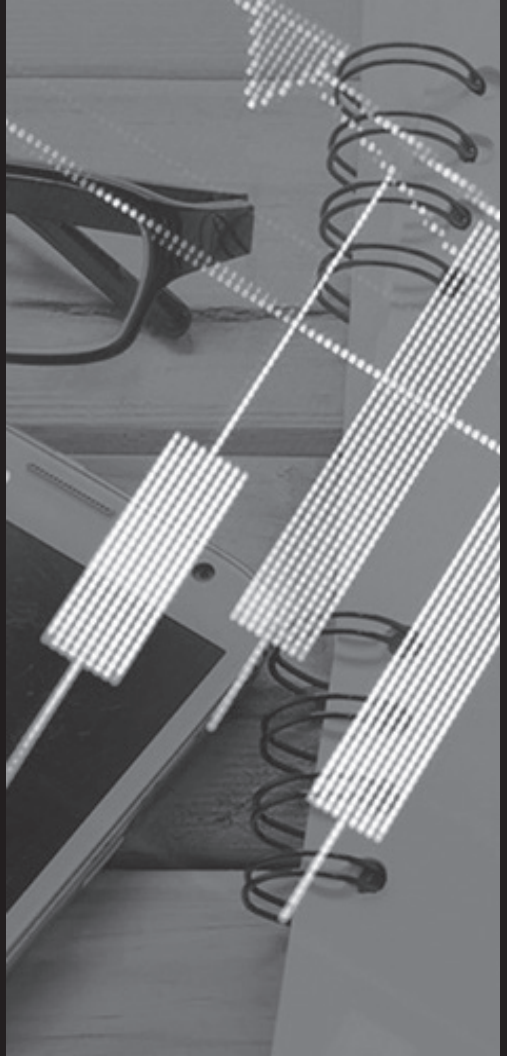

The MS Mathematics Curriculum

Total Units . . . . . 32+ units
Core Courses . . . . . 11 units
Electives . . . . . 15+ units
Thesis or Final Project . . 6+ units

Core Courses
MATH 511 - Functional analysis (3 units)
MATH 512 - Probabilistic methods and measures theory (3 units)
MATH 513 - Advanced Algebra (3 units)
MATH 599 - Graduate Seminar (2 units)

Designed for working professionals

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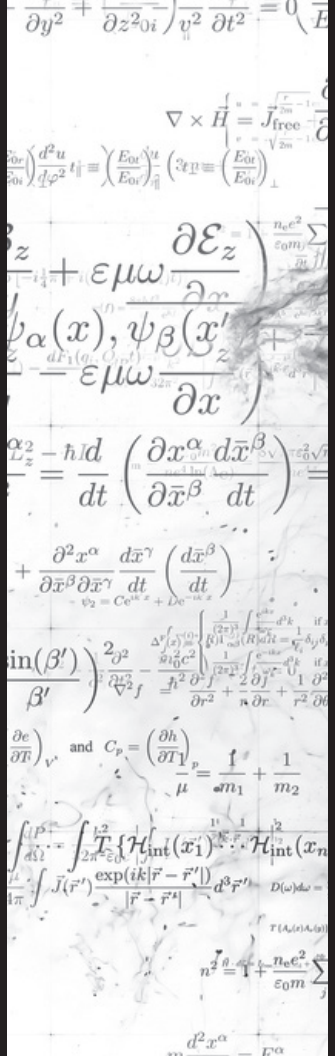


Electives: 15+ units

Choose 2+ from the following list
MATH 570 - Combinatorics (3 units)
MATH 582 - Number theory and Cryptography (3 units)
MATH 584 - Algebraic geometry and Coding theory (3 units)
MATH 587 - Markov Chains and Markov Processes (3 units)
MATH 588 - Stochastic Analysis (3 units)
MATH 590 - Graduate Topics in Mathematics (3 units)

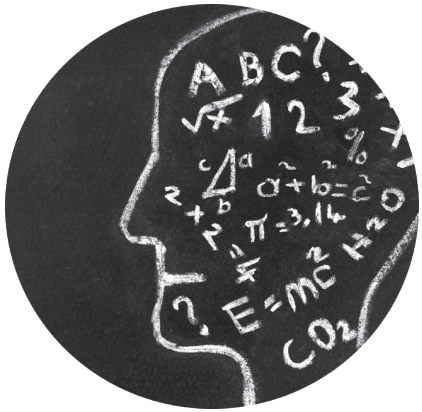
Choose 3 of the following list
MATH 555 - Actuarial Sciences (3 units)
MATH 565 - Research in Mathematics Education (3 units)
MATH 594 - Independent Study (3 units)
PHYS 510 - Advanced Image Analysis Techniques (3 units)
PHYS 546 - Pattern Recognition (3 units)
COMP 554 - Algorithms (3 units)
COMP 569 - Artificial Intelligence (3 units)
COMP 571 - Biologically Inspired Computing (3 units)
COMP 572 - Neural Networks (3 units)
COMP 575 - Multi-Agent Systems (3 units)
COMP 578 - Data Mining (3 units)

Thesis or Projects: 6+ units (9 units maximum)
MATH 597 - Master Thesis (3 units)
MATH 598 - Master Project (3 units)

Fees

CSU Application Fee $70
Course Fee per 1 Credit Unit $525*
32 units x Cost per Unit $16,800*

* Based on current fees. Extended University makes every effort to keep student costs to a minimum. Fees listed in published schedules may be increased periodically. Any increase in fees will be published upon approval and students will be notified. Fees do not include cost of textbooks, housing, transportation, or parking. Financial Aid is available for domestic students. Fully admitted students may apply for paid Teaching Associate positions at CSU Channel Islands.



Quality, rigor, world-class faculty

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Admissions

Applications are accepted for the spring and fall semesters.
Application periods: please refer to our website for up-coming deadlines and start dates: ext.csuci.edu/

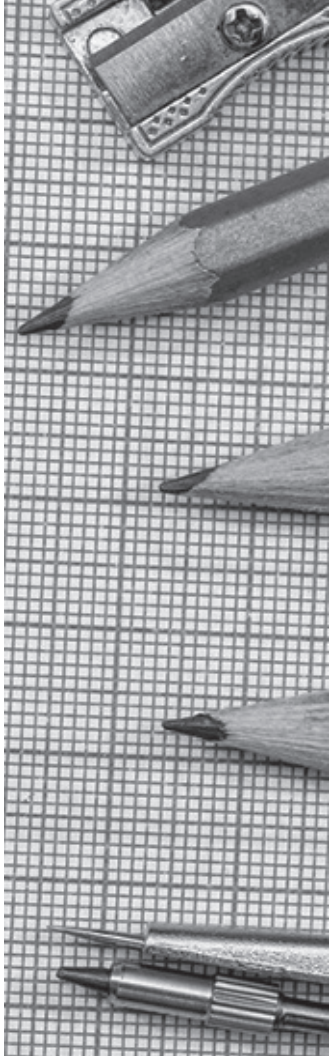
Applicants with a conferred bachelor's degree in any field, with a minimum GPA of 2.5, may apply online at go.csuci.edu/apply.

Then, submit the following documentation:

- Statement of Purpose (summarizing professional experience, career objectives, and a reason for pursuing a master's in math)
- Résumé reflecting at least two years of full-time work experience
- Two Letters of Recommendation (at least one must be a professional recommendation)
- One set of official transcripts from all colleges and universities attended
- GRE Not Required for program

Contact a representative for the most current information.

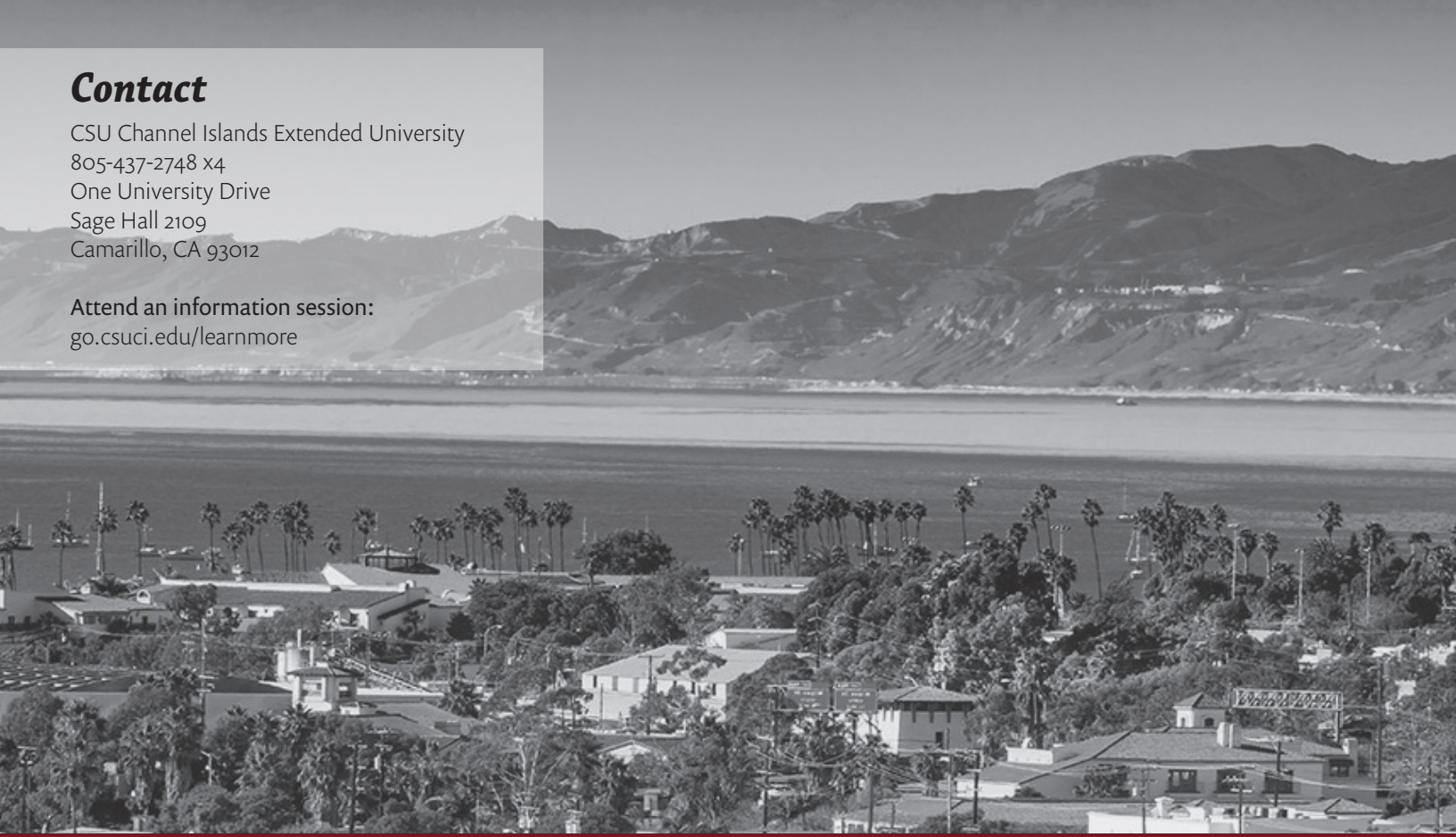
International Applicants
Please visit the International Admissions page at go.csuci.edu/intl.



Perspective from an Alumna

"I am so grateful for CSU Channel Islands and its mathematics program. It is the epitome of what an educational process should be."

Janine Bundy
MS Mathematics
Class of 2010



Contact

CSU Channel Islands Extended University
805-437-2748 x4
One University Drive
Sage Hall 2109
Camarillo, CA 93012

Attend an information session:
go.csuci.edu/learnmore

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