


UCF ONLINE


ONLINE GRADUATE CERTIFICATE IN MATHEMATICAL SCIENCE

APPLICATION DEADLINES

SPRING 2018

December 1, 2017

SUMMER 2018

April 15, 2018

FALL 2018

July 15, 2018

PROGRAM AT A GLANCE

- Prepare to teach college-level mathematics
- 100% online to offer flexibility and convenience to working professionals
- No GRE required
- Complete your degree in as little as 2 years

WELCOME

It is my honor and pleasure to welcome you to the Graduate Certificate Program in Mathematical Science at the University of Central Florida. This program is designed to prepare you to teach college-level mathematics in high schools or state colleges.

The graduate certificate requires taking 9 credit hours of required courses and 9 credit hours of elective courses and earning grade B or higher. All required courses are offered to accommodate distance learning by posting recorded lectures and offering scheduled online problem sessions and office hours. However, not all elective options or program prerequisites may be offered online. The department offers one or two online courses per semester.

Admission is open all with a bachelor's degree from a regionally accredited institution. For the admission to the graduate certificate program, you are required to master contents of the following courses: MAC 2311, MAC 2312, MAC 2313: Calculus I, II, III; MAP 2302: Ordinary Differential Equations; and MAS 3105: Matrix and Linear Algebra. It is highly recommended that you have taken the following courses: MHF 3302: Logic and Proof in Mathematics and MAA 4226: Advanced Calculus I.

Many of faculty members in the department are leading experts in their fields and they are dedicated educators working on cutting edge research problems.

For detailed information, please visit the website for the departmental graduate program <https://sciences.ucf.edu/math/graduate/>

Best regards,

Qiyu Sun

Professor and Graduate Program Coordinator



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CURRICULUM

Required Courses—9 Credit Hours

Students choose three of the following courses.

MAA 5210 Topics in Advanced Calculus (3 credit hours)

MAS 5145 Advanced Linear Algebra and Matrix Theory (3 credit hours)

MTG 5253 Introduction to Differential Geometry (3 credit hours)

MAA 6405 Complex Variables (3 credit hours)

MAT 5712 Scientific Computing (3 credit hours)

MAP 5426 Special Functions (3 credit hours)

Elective Courses—9 Credit Hours

Students should take three graduate-level courses offered by the Department of Mathematics and/or the Department of Statistics at UCF, with at most two elective courses from the Department of Statistics.

** Not all elective options or program prerequisites may be offered online.

** UCF is not authorized to provide online courses or instruction to students in some states. Refer to State Restrictions for current information.

ADMISSIONS REQUIREMENTS

In addition to the general UCF graduate admission requirements, applicants to the program must provide:

- One official transcript (in a sealed envelope) from each college/university attended.
- No GRE is required

PROGRAM TUITION

**In State Rate \$327.32 and
Out of State Rate \$694.82
per credit hour**

PROGRAM CONTACT

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