

## OVERVIEW

**The Lockheed Martin/University of Central Florida Academy for Mathematics and Science (LMA)** is an education/industry/community partnership aimed at improving mathematics, science and technology education in Central Florida. This unique partnership serves as a model for the educational reforms proposed by both national and state agencies by providing schools in Central Florida with outstanding teacher-leaders who initiate, implement and sustain mathematics and science reform efforts. The innovative model of initial and advanced preparation at the master's level could only be initiated and sustained through the support of visionary leadership from Lockheed Martin Corporation and the University of Central Florida (UCF). The profile for the funding and support of this project includes the following:

- The Lockheed Martin Corporation provided the stimulus for the development of the Academy concept and generously provided an endowment that insures the longevity of the program.
- The Board of Regents of the State University System of Florida provided matching funds to augment the endowment and enhance the capacity of the Academy to attain its goals.
- A National Science Foundation (NSF) Teacher Enhancement grant provided funds for program development and for immediate implementation during the first four years
- The University of Central Florida is committed to the support and development of the Academy by providing faculty support through new faculty lines, giving priority to course scheduling, and providing support for faculty travel to disseminate the research findings concerning this model project
- Student intern certificates provide tuition support for Scholars.
- Local school districts assist in the selection of outstanding teacher candidates, support the Scholar/ Intern concept, and provide important links of communication to assist the Scholars, Scholar graduates, and program planning and design.

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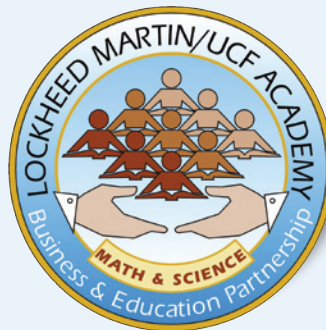
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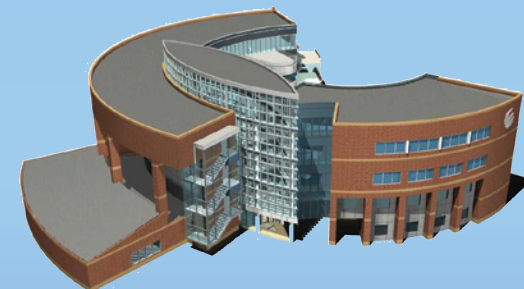
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**Stands For Opportunity**



## College of Education

# Improving Mathematics and Science Education in Central Florida

## K-8 Mathematics and Science, M.Ed. Program

The K-8 Mathematics and Science M.Ed. Program is one of two master's degree programs supported by the Lockheed Martin/UCF Academy (LMA).

Since its inception in 1992 by Founding Director, Dr. Michael Hynes, LMA Scholars have proven to be a well-recognized and highly motivated group of educators who continue to be active professionally and are strong leaders in the field of mathematics and science education.

The mission of the K-8 Mathematics and Science Education M.Ed. degree is to improve the quality of mathematics and science teaching as well as leadership in central Florida by providing opportunities to:

- Strengthen the quality of teaching and learning in mathematics and science.
- Create a network of school-based leadership in mathematics and science education.
- Increase the number of students choosing to enroll in mathematics and science courses that will prepare them for careers in mathematics, science and technology fields.

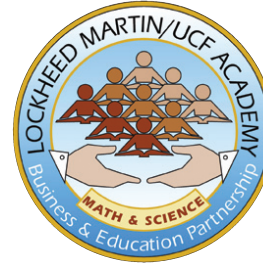
## Program Requirements

To be considered, applicants must meet the following requirements:

- Three or more years of teaching experience upon admission;
- 3.0 grade point average on a 4.0 scale (calculated for the last 60 attempted semester hours of baccalaureate degree);
- Current school assignment with primary role in an elementary or middle school setting.
- Valid Florida teaching certificate for Elementary, Science 5-9, Science 6-12, Mathematics 5-9, or Mathematics 6-12; and
- Qualify for admission to the graduate program.

## Lockheed Martin/UCF Academy

The Lockheed Martin/UCF Academy supports two Master's Degree Programs and one Enhancement Program that are dedicated to improving Mathematics and Science education in Central Florida.



*“One of my most memorable achievements since graduation was my selection as a member of the Network of Educator Astronaut Teachers (NEAT) part of the Educator Astronaut Program with NASA. I truly believe being a LMA scholar helped in my selection and prepared me for working with teachers across the United States.” ~ Sharon*

## Transition to Mathematics and Science Teaching

(TMAST) MAT Program

T-MAST is an innovative, fast track, four semester graduate program for professionals who wish to transition into middle grade teaching that features:

- A master's degree with embedded certificate designed for completion in 4 semesters.
- Accelerated, innovative classroom placement.
- Ongoing mentoring after graduation.
- Cohort design to promote the development of a professional community.
- One-year paid on-the-job internship.
- Active, multi-layered mentoring.

## Program Requirements

Specialization requirements for certification in Middle Grades General Mathematics or Science must have been met prior to admission to the TMAST program. There are several plans available. See [www.fldoe.org](http://www.fldoe.org) for specific requirements to teach in Florida.

## Lockheed Martin/UCF Mathematics and Science Academy Enhancement Program

Graduates of the Academy are eligible to receive \$1000 to enhance their skills in mathematics and/or science.

### Examples include:

Workshops, Classes, Conferences, and Supplies

### Expectations

Coordinate with a LMA faculty member  
Give back to the Academy through a presentation for scholars.

Provide student learning impact data  
To apply contact [LMA@ucf.edu](mailto:LMA@ucf.edu)

*“The Lockheed Martin/UCF Academy is responsible for me becoming a better science inquiry teacher. Since graduating I have been honored as the LCMS teacher of the year, received the PRISM Award and I am a National Board Certified teacher. For all these accomplishments, I sincerely thank the Lockheed Martin/UCF Academy.” ~ Joanne*



LMA Scholars before the Maven Rocket Launch 2013