



UNIVERSITY OF CENTRAL FLORIDA

COLLEGE OF COMMUNITY INNOVATION AND EDUCATION

K-8 Mathematics and Science Education MEd Graduate Program Handbook

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K-8 Mathematics and Science Education MEd

Together, the [Graduate Student Handbook](#) and your graduate program handbook should serve as your main guide throughout your graduate career. The Graduate Student Handbook includes university information, policies, requirements and guidance for all graduate students. Your program handbook describes the details about graduate study and requirements in your specific program. While both of these handbooks are wonderful resources, know that you are always welcome to talk with faculty and staff in your program and in the Graduate College.

The central activities and missions of a university rest upon the fundamental assumption that all members of the university community conduct themselves in accordance with a strict adherence to academic and scholarly integrity. As a graduate student and member of the university community, you are expected to display the highest standards of academic and personal integrity.

Here are some resources to help you better understand your responsibilities:

- [Academic Honesty](#)
- [Academic Integrity Training](#) - Open to all graduate students at no cost
- [Plagiarism](#)

Curriculum

Please visit the [Graduate Catalog](#) to see the current curriculum for our program.

Thesis Requirements

A thesis is optional for this program; the following information is intended for those choosing to complete a thesis.

University Thesis Requirements

The College of Graduate Studies [Thesis and Dissertation page](#) contains information on the university's requirements for dissertation formatting, format review, defenses, final submission, and more. A step-by-step completion guide is also available on [Thesis and Dissertation Services](#) Site.

All university deadlines are listed in the [Academic Calendar](#). Your program or college may have other earlier deadlines; please check with your program and college staff for additional deadlines.

The following requirements must be met by dissertation students in their final term:

- Submit a properly formatted file for initial format review by the format review deadline
- Submit the Thesis and Dissertation Release Option form well before the defense
- Defend by the defense deadline
- Receive format approval (if not granted upon initial review)
- Submit signed approval form by final submission deadline
- Submit final dissertation document by final submission deadline

Students must format their thesis according to the standards outlined in [Thesis and Dissertation Webcourse](#). Formatting questions or issues can be submitted to the Format Help page in the [Thesis and Dissertation Services](#) site. Format reviews and final submission must be completed in the [Thesis and Dissertation Services](#) site. The Dissertation Approval Form is also available in the Thesis and Dissertation Services site.

The College of Graduate Studies offers several thesis and dissertation [Workshops](#) each term. Students are highly encouraged to attend these workshops early in the dissertation process to fully understand the above policies and procedures.

The College of Graduate Studies thesis and dissertation office is best reached by email at editor@ucf.edu.

Non-Thesis Requirements

A non-thesis option is available for this program; the following information is intended for those choosing a non-thesis option, which involves the completion of an action research.

Non-thesis scholars will engage in an **action research** analyzing an issue or challenge in their own classroom teaching practice or school procedures in the areas of mathematics and/or science. An action research project includes the application of research methodologies, literature review, data collection, and data analysis. As part of Capstone Course, the culminating activities are final paper report and poster presentation of the action research project. A research advisor will be selected to collaborate with the scholar in the development of the action research.

In this context, action research refers to a wide variety of evaluative, investigative, and analytical research methods designed to diagnose problems or weaknesses (organizational, academic, or instructional) and help teachers develop practical solutions to address them quickly and efficiently. The general goal is to investigate a practical approach that leads to increasingly better results for schools, teachers, or programs.

It typically follows a predefined process; for example: 1. identify a problem to be studied, 2. collect data on the problem, 3. organize, analyze, and interpret the data, 4. develop a plan to address the problem, 5. implement the plan, 6. evaluate the results of the actions taken, 7. identify a new problem, and 8. if necessary, repeat the process.

Unlike more formal research studies, such as those conducted by universities and published in peer-reviewed scholarly journals, action research is typically conducted by the teachers working school being studied. It involves less formal, prescriptive, or theory-driven research methods, since the goal is to address practical problems in a specific school or classroom, rather than produce independently validated and reproducible findings. It is typically focused on solving or answering a specific question; for example, Why are so many of our ninth graders failing mathematics?

Graduate Research

College of Central Florida (CF) has three fundamental responsibilities with regard to graduate student research. They are to (1) support an academic environment that stimulates the spirit of inquiry, (2) develop the intellectual property stemming from research, and (3) disseminate the intellectual property to the general public. Students are responsible for being informed of rules, regulations and policies pertaining to research. Below are some general policies and resources.

Research Policies and Ethics Information: UCF's Office of Research & Commercialization ensures the UCF community complies with local, state and federal regulations that relate to research. For policies including required Institutional Review Board (IRB) approval when conducting research involving human subjects (e.g. surveys), animal research, conflict of interest and general responsible conduct of research, please see their website: <https://www.research.ucf.edu/Compliance/irb.html>.

UCF's Patent and Invention Policy: In most cases, UCF owns the intellectual property developed using university resources. The graduate student as inventor will according to this policy share in the proceeds of the invention. Please see the current UCF Graduate Catalog General Graduate Policies for details: <https://catalog.ucf.edu/content.php?catoid=1&navoid=70>.

Financial Support

Graduate Financials

Students with qualifying assistantships or university-wide fellowships will receive financial packages that include an assistantship or fellowship stipend, tuition remission, and health insurance. Qualifying fellowships are accompanied by tuition waivers. Qualifying assistantships include single appointments of at least .50 FTE (20 hrs/week) or two appointments of at least .25 FTE (10 hrs/week). Tuition remission is in the form of either tuition waivers or tuition payments that cover in-state (resident) tuition. Non-resident students with financial packages are not charged out-of-state tuition or the non-resident financial aid fee.

For additional information about funding for graduate school, please visit the College of Graduate Studies Funding website at graduate.ucf.edu/funding/.

If you are interested in applying for loans or externally funded need-based awards, visit the Office of Student Financial Assistance website at finaid.ucf.edu/ and complete the Free Application for Federal Student Aid (FAFSA), which is available January 1 each year.

Financial Support Requirements

Graduate students must meet certain requirements each term that they receive fellowships or assistantships. In brief, to receive and maintain these types of financial support packages, a student must:

- Maintain good academic standing
- Be enrolled full time

A more detailed description of the financial support requirements can be found in the Financial Information > Financial Support requirements of the current Graduate Catalog at <https://catalog.ucf.edu/index.php?catoid=4>.

University Fellowships

Most university fellowships are reserved for incoming degree-seeking graduate students who plan to enroll full time. For a listing of merit-based fellowships that are offered through the UCF College of Graduate Studies, as well as a listing of various general graduate funding opportunities, see the UCF Graduate Fellowships section of the College of Graduate Studies Funding website at graduate.ucf.edu/fellowships/.

Presentation Fellowship

The College of Graduate Studies provides presentation fellowships for students to present their research or comparable creative activity at a professional meeting or conference. To review the award requirements and apply online, see graduate.ucf.edu/presentation-fellowship/.

Graduate Assistantships

Graduate assistantship appointments offer opportunities for students to engage in research, teaching, and other projects during their graduate study. These are paid appointments that promote the missions of the University. For eligibility, students must be accepted as a graduate student in a degree program and be enrolled full-time.

For more information concerning graduate assistantships, see the Financial Information > Graduate Assistantships section of the current Graduate Catalog at <https://catalog.ucf.edu/index.php?catoid=4> or talk to the Graduate Program Director to learn about specific eligibility and application guidelines.

Graduate Teaching

Graduate students may be appointed as graduate teaching assistants (GTAs) to carry out responsibilities as classroom teachers (instructors of record), co-teachers or classroom assistants, graders, lab assistants, or other roles directly related to classroom instruction. Mandatory training requirements must be met for a student to be hired in the position of Graduate Teaching Associate, Assistant or Grader. The training, offered by UCF's Faculty Center for Teaching and Learning, covers course design, learning theories, ethics, and other topics relevant to preparing GTAs for their responsibilities. See graduate.ucf.edu/students/ > Graduate Teaching > GTA Information for training requirements and registration instructions.

Students who are non-native speakers of English and do not have a degree from a U.S. institution must pass the SPEAK test before they will be permitted to teach as Graduate Teaching Associates (position code 9183) or Graduate Teaching Assistants (position code 9184). The SPEAK test is not required for students who will be appointed as a Graduate Teaching Grader (position code 9187). Additional information including how to register for the test can be accessed through the [GTA Information](#) section of the College of Graduate Studies student website.

Graduate Student Associations

The Graduate Student Association (GSA) is UCF's graduate organization committed to enrich graduate students' personal, educational and professional experience. To learn more or get involved, please visit facebook.com/groups/UCFgsa/. For individual department or graduate program organizations, please see program advisor.

Professional Development

Instructor Training and Development

The Faculty Center for Teaching and Learning (FCTL) promotes excellence in all levels of teaching at the University of Central Florida. They offer several programs for the professional development of Graduate Teaching Assistants at UCF.

- **GTA Training** (mandatory for employment as a GTA)
This training provides information and resources for students who will be instructors in a two-day workshop. The seminars cover a variety of topics, including course development, learning theories, lecturing, and academic freedom. Those interested in additional training can also attend an optional training session that normally follows the mandatory training.
- **Preparing Tomorrow's Faculty Program**
This certificate program (12-weeks) consists of group and individualized instruction by Faculty Center staff and experienced UCF professors. Textbooks and materials are provided.

For more information: GTA Programs <https://fctl.ucf.edu/programs/gta-programs/> or call 407-823-3544.

Pathways to Success Workshops

Coordinated by the College of Graduate Studies, the Pathways to Success program offers free development opportunities for graduate students including workshops in Academic Integrity, Graduate Grantsmanship,

Graduate Teaching, Personal Development, Professional Development, and Research. For more information and how to register, please visit graduate.ucf.edu/pathways-to-success/.

Graduate Research Forum

The Graduate Research Forum will feature poster displays representing UCF's diverse colleges and disciplines. It is an opportunity for students to showcase their research and creative projects and to receive valuable feedback from faculty judges. Awards for best poster presentation in each category will be given and all participants will receive recognition. For more information visit graduate.ucf.edu/graduate-research-forum/.

The College of Graduate Studies and the Graduate Student Association invite all UCF students, community, and employers to attend the Graduate Research Forum. For more information, contact researchweek@ucf.edu.

Graduate Excellence Awards

Each year, the College of Graduate Studies offers graduate students who strive for academic and professional excellence the opportunity to be recognized for their work. The award categories include the following:

Award for Excellence by a Graduate Teaching Assistant – This award is for students who provide teaching support and assistance under the direction of a lead teacher. This award focuses on the extent and quality of the assistance provided by the student to the lead instructor and the students in the class. (Not intended for students who are instructor of record)

Award for Excellence in Graduate Student Teaching – This award is for students who serve as instructors of record and have independent classroom responsibilities. The focus of this award is on the quality of the student's teaching and the academic contributions of those activities.

Award for the Outstanding Master's Thesis – It recognizes graduate students for excellence in the master's thesis. The focus of this award is on the quality and contribution of the student's thesis research. Excellence of the master's thesis may be demonstrated by evidence such as, but not limited to: publications in refereed journals, awards and recognitions from professional organizations, and praise from faculty members and other colleagues in the field. The university award will be forwarded to a national-level competition sponsored by the Council of Southern Graduate Schools (CSGS) when the thesis discipline corresponds to the annual submission request.

For the nomination process and eligibility criteria, see the College of Graduate Studies website graduate.ucf.edu/awards-and-recognition/.

Other

Students should take opportunities to present a poster or a topic of research at a conference. To obtain financial support to present at a conference (other than through your program) or to engage in comparable creative activity at a professional meeting, visit the Graduate Travel Fellowship section at graduate.ucf.edu/.

For information about the Council of Southern Graduate Schools (CSGS) thesis and dissertation awards, see their website: <http://www.csgs.org/awards/>.

Job Search

Career Services

UCF's Career Services department offers a wide range of programs and services designed to assist graduate students. These services include evaluation and exploration of career goals, preparation for the job search and job search resources. To learn more, visit their website at career.ucf.edu/.

Forms

- [College of Graduate Studies Forms and References](#)
A complete listing of general forms and references for graduate students, with direct links, may be found here.
- [Graduate Petition Form](#)
When unusual situations arise, petitions for exceptions to policy may be requested by the student. Depending on the type of appeal, the student should contact his/her program adviser to begin the petition process.
- [Traveling Scholar Form](#)
If a student would like to take advantage of special resources available on another campus but not available on the home campus; for example, special course offerings, research opportunities, unique laboratories and library collections, this form must be completed and approved.

Useful Links

- [Mathematics Education](#)
- [College of Community Innovation and Education](#)
- [College of Graduate Studies](#)
- [Academic Calendar](#)
- [Bookstore](#)
- [Campus Map](#)
- [Counseling Center](#)
- [Financial Assistance](#)
- [Golden Rule Student Handbook](#)
- [Graduate Catalog](#)
- [Graduate Student Association](#)
- [Graduate Student Center](#)
- [Housing and Residence Life](#)
- [Housing, off campus](#)
- [Knights Email](#)
- [Library](#)
- [NID Help](#)
- [Pathways to Success](#)
- [Recreation and Wellness Center](#)
- [Shuttles Parking Services](#)
- [Student Health Services](#)
- [Thesis and Dissertation \(ETD\)](#)
- [UCF Global](#)
- [University Writing Center](#)

Grad Faculty

Asterisk = has previous committee experience, which qualifies the person to serve as vice chair

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