M.Ed Curriculum and Instruction/Math Ed

- M.Ed in Curriculum and Instruction with an emphasis in Mathematics Education
- 30 hours with Capstone Project
- Can be 100% online
- Requires the Capstone Project
- Requires the 2 CUIN Professional Seminars

Content Focus

- Best practices in **K-12 mathematics** instruction
- Analysis of theories and models of learning and teaching mathematics
- Analysis of curriculum development and resources in mathematics
- Analysis of current issues in mathematics education such as social justice and equity and use of technology
- Development of reflective thinking toward ongoing improved instructional practices
- Analysis and design of mentoring, coaching and other research-based professional development programs
- Analysis of educational research in mathematics education

	Semester	Course Format	Comments
Program Delivery Format			Can be 100% online
Department Core			
CUIN 7303[1]: CUIN Professional Seminar I	Fall only	Asynch[2]	Required
CUIN 7304[1]: CUIN Professional Seminar II	Spr only	Asynch[2]	Required
CUIN 7301: CUIN Capstone Seminar	Su only	Asynch[2]	Required
Program Area Core			
CUIN 7334 Developing Proportional Reasoning	Fall only	Hybrid[3]	Required
CUIN 7340 Issues in Math Ed	Spr only	Hybrid[3]	Required

Choose 5 courses from the graduate catalog where at least 3 are from the list below.

- CUIN 6344: Teaching Math in Gr 4-8
- CUIN 6340 Teach Geom Concepts Gr 6-12
- CUIN 6346 Teach Sec Math with Technology (Fall)
- CUIN 7333 Developing Algebraic Thinking
- CUIN 7335 Developing Number Concepts
- ELED 6335 Mathematics in the Elem School

Notes:

1) Professional Seminar I and II do not need to be taken sequentially.
2) Some courses are offered asynchronously in that the student will be required to log in and interact regularly with course materials, the instructor and peers via Discussion Boards and other venues of content delivery.
3) Hybrid format is defined to be both asynchronous and synchronous. A portion of the course is offered asynchronously, as described in 2) above. The remaining portion of the course is offered synchronously

(see technology requirements below) in that there are required synchronous sessions where students must be available at a computer with a webcam from 5:30 pm - 8: 30. These courses typically meet synchronously every other week. For example, a course may meet every other Wednesday evening, 5:30 – 8:30. See posted UH class schedule or your advisor for details.

- **For full synchronous online participation, you will need:**
  - **Computer** with broadband internet access, headphone and microphone jacks, USB ports, and CD burner. Supported operating systems include Windows Vista or later and Mac 10.5 or later.
  - **Web Browser(s)** with updated Java (http://java.com). You should have two supported browsers for Blackboard LEARN 9 (https://help.blackboard.com/en-us/Learn/9.1_SP_14/Student/015_Browser_Support/010_Browser_Support_SP_14).
  - **Web Camera** with a built-in microphone. We recommend the Logitech brand or on-board computer video camera.
  - **Headphones**: Normal headphones are adequate. No special headsets required.
  - **Microphone** to be used as a back-up if the webcam microphone fails. Onboard laptop microphones, Mini-jacks or USB desktop microphones (such as the Logitech USB Desktop Microphone) are adequate.