




# Ethnomathematics




Graduate Certificate (GCERT) and  
Graduate Certificate + Master's Degree (MEd)

  
Hybrid  
(Online/In-Person)

  
Apply by Dec 1 (Early Admission)  
Apply by Feb 1 (Gen Admission)

  
11 Months - GCERT  
17 Months - GCERT + MEd

  
Option to Add a Field of Licensure  
in Ethnomathematics

## About the Program

Ethnomathematics is real-world problem-solving. It empowers students to be locally-minded, global citizens with a sense of purpose and a sense of place. Program graduates become teacher leaders through interconnected work with educational institutions, research organizations, and community partners. They are leaders who affirm their students' identities as authors of mathematics, and they engage students in solving rigorous, relevant, and contextualized mathematical tasks. This graduate certificate is designed for those who are interested in gaining in-depth knowledge in the area of ethnomathematics.



## Learning Outcomes

- Increase content and pedagogical knowledge in culturally-sustaining mathematics aligned with state and federal standards and benchmarks, including Common Core State Standards and Nā Hopena A'o.
- Prepare teacher leaders to provide instruction and professional development in ethnomathematics in their schools, districts, and communities.
- Strengthen sustainable campus-community networks to support college, career, and community readiness.


## Master's Degree and Add-A-Field Licensure Options

Students may concurrently work toward a Curriculum Studies Master of Education Degree (MEd) in Math Education. Students in both the Ethnomathematics Graduate Certificate and MEd in Math Education programs are eligible to add the field Ethnomathematics to an existing Hawai'i State teaching license. Please refer to the Hawai'i Teacher Standards Board for more information.

## Program Sequence by Semester

<b>SUMMER 2020:</b> June 22-28 In-Person	<b>FALL 2020:</b> Weekly Online	<b>SPRING 2021:</b> Weekly Online; May 8-9 In-Person	<b>FALL 2021:</b> Online
<b>(GCERT &amp; MEd)</b>			<b>(MEd ONLY)</b>

  
Call CS  
808.956.4401

  
Email  
coemath@hawaii.edu

  
More Info  
tiny.cc/ethnomathematics

### Ethnomathematics + Master's in Math Education Option - Coursework

SEMESTER	ETHNOMATHEMATICS GRAD CERTIFICATE (11 MONTHS)	ADDITIONAL MASTER'S COURSEWORK OPTION (17 MONTHS)
Summer 2020 (in-person June 22-28)	EDCS 654 Ethnomathematics (3)	
FALL 2020 (online)	EDCS 606 Introduction to Research in Curriculum and Teaching (3)  EDCS 622G Curriculum Leadership: K-14 (3)	EDCS 624 School Mathematics Curriculum (3)
SPRING 2021 (online)  (in-person May 8-9)	EDCS 632 Qualitative Research Methodology (3)  EDCS 653F Mathematics in the Schools: Integrated Mathematics Content (3)	EDCS 667 Seminar in Curriculum (3)
FALL 2021 (online)		EDCS 494 Problem Solving in Mathematics Education (3)  EDCS 640H Seminar in Teaching Mathematics (3)  EDCS 699 Directed Reading and/or Research (3)

- Applied projects are embedded in coursework.
- All candidates of the certificate and master's programs will complete a portfolio capstone project.
- Students must have a bachelor's degree from an accredited institution, a 3.0 GPA or above, and teaching experience in grades P-20 or equivalent experience.
- Hawai'i Teacher Standards Board requires an existing Hawai'i teaching license and 3 years of teaching experience for the add-a-field option.
- Stipends and funding opportunities are available for both programs.
- Federal financial aid is only available to students who are enrolled in both the Ethnomathematics Graduate Certificate AND Master's in Math Education.



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