

Learning STEM in Informal Contexts (Certificate)

The Graduate Certificate in Learning STEM in Informal Contexts (LSIC) is a 12-hour program designed for anyone who wishes to increase their knowledge and skills related to learning in informal settings, including classroom teachers, informal/nonformal science (e.g., museum, zoo, aquaria) educators, or graduate students in STEM or natural science disciplines.

This program offers the opportunity for educators to:

- Learn about educational theory, research in practice, and how to evaluate learning in informal contexts.
- Engage in community-engaged scholarship through co-developed projects with community partners who provide informal learning opportunities.

More Information

Distance Website (<https://online-distance.ncsu.edu/program/learning-stem-in-informal-contexts/>)

Students must meet the following requirements for admission into the LSIC graduate certificate program:

- Have a BS/BA degree from a regionally accredited four-year college or university or an MAT/MS/MED.
- Have an overall GPA of at least 3.0 on a 4-point scale on the most recent degree earned.

Applicant Information

- **Delivery Method:** On-Campus
- **Entrance Exam:** None
- **Interview Required:** None

Application Deadlines

- **Fall:** April 15
- **Spring:** October 15
- **Summer:** April 15

Plan Requirements

Code	Title	Hours
Required Courses		6
EMS 551	Learning in Informal Contexts: Theory to Practice	
EMS 552	Learning in Informal Contexts: Evaluation	
Elective Courses		6
Select six hours of coursework from the following courses:		
ECI 723	Elementary STEM Learning in Informal Settings	
EMS 550	Teaching Environmental Education (Pending ABGS Approval)	
EMS 575	Foundations Of Science Education	
EMS 531	Introduction to Research in Science Education	

EMS 573	Design of Tools and Learning Environments in STEM Education	
EMS 630	Independent Study in EMS	
EMS 692	Research Projects In Mathematics and Science Education	
EMS 791	Contemporary Research and Critical Issues in STEM Education *	
Total Hours		12

* EMS 791 Contemporary Research and Critical Issues in STEM Education is for Doctoral Students only.