

Computer Science and STEM Micro-Credential Training Programs

Program Overview

The Computer Science and STEM Micro-Credential Training Programs provide a BESE-approved, competency-based pathway for educators to earn a certification add-on while strengthening high-quality instruction in Louisiana classrooms.

Eligible Participants

These programs are designed for:

- educators holding a valid Louisiana teaching certificate (OS, Level 1, Type C, or higher); and
- seeking to add the [Computer Science and STEM K-5 certification add-on](#) or a [Secondary 6-12 Specialty Content Area Add-on in Computer Science](#) to an existing certification.

Completion of this micro-credential fulfills one requirement toward the certification add-on, as outlined in current [certification bulletins](#) and the Louisiana Department of Education (LDOE) [guidance](#). Educators should review applicable LDOE bulletins to confirm eligibility and requirements.

Program Structure

Each micro-credential program is delivered and assessed through asynchronous online modules completed over the course of an academic year. Each module follows a research-based instructional design cycle (e.g., Analyze, Design/Develop, Implement, Evaluate) and requires submission of authentic classroom artifacts demonstrating implementation in practice. Submissions are reviewed by approved micro-credential providers using a rubric. Participants receive targeted feedback and, when applicable, one opportunity to revise and resubmit artifacts.

Grades K-5 Modules	Grades 6-12 Modules
<ul style="list-style-type: none"> • Discovering Computational Thinking • Exploring the Engineering Design Process • Facilitating Project-Based Learning 	<ul style="list-style-type: none"> • Building the Foundations of Data Science • Teaching Computational Thinking (CS) • Teaching Basic Programming Skills • Teaching the Foundations of Networks and the Internet

Program Details

Register using the links associated with each approved program.

Approved programs

- [Louisiana Tech University](#)

For additional information or questions, please contact STEM@la.gov.