

Programs

Post-Graduate Certificate in STEM Leadership

(12 credits)

The Post-Graduate STEM Leadership Certificate is a 12-credit graduate professional certificate designed for teachers. The purpose of this program is to strengthen the knowledge and skills required for effective teaching with an infusion of STEM Education. STEM is a burgeoning, integrated subject-area, which pk-12 teachers of all content-areas and grade levels may tap into to appropriately prepare students to be 21st century learners and professionals.

The program includes instruction in leadership skills with the goal of enabling completers of this degree to become literacy or STEM leaders among their colleagues in the districts and schools where they teach. The program stresses the importance of seeking out, understanding, and applying STEM pedagogy and curriculum integration, with the fundamental goal of improving instruction for all students. Through the program, certified teachers are also provided with a pathway to the #047 Technology Education cross-endorsement.

Upon completing the STEM Leadership Certificate, students will:

- Know and discuss STEM educational matters within an ethical framework.
- Acquire skills needed to teach STEM concepts effectively.
- Demonstrate the pedagogical skills necessary for leading students to the awareness that all STEM content areas are connected and interdependent.
- Demonstrate the ability to collect and analyze assessment data for the purpose of informing student learning.
- Master the ability to recognize differences among students, including learning and cultural differences, and utilize STEM to enable all students to learn.
- Demonstrate skills necessary for leading others to effective STEM curriculum development and application.

Admission Requirements

- Master's degree from a nationally or regionally accredited institution approved by the [U.S. Department of Education](#) (USDE) or the [Council for Higher Education Accreditation](#) (CHEA).
- Minimum cumulative grade point average (GPA) of 3.0.
- Demonstration of strong written and oral communication skills.
- Personal interview.
- Proof of identity.

- Proficiency in essential software and tools, including Microsoft Office Suite (Word, Excel, PowerPoint), data analysis tools (such as Excel or statistical software), and communication platforms (e.g., Zoom, Google Meet).
- Valid Connecticut teaching certificate or eligibility for Connecticut teacher certification. (Applicants who are not certified may request a waiver indicating reasons for the request.)
- For non-native English-speakers, a minimum score of 550 paper-based, 80 internet-based, or 213 computer-based on the Test of English as a Foreign Language.
- Applicants intending to use **VA benefits** need to submit a copy of their certificate of eligibility to the school certifying official.

The applicant must submit:

- Official transcripts from all nationally and regionally accredited degree-granting institutions attended.
- An essay (of 500–600 words, double-spaced) on their professional career interests, reasons for entering the program and expectations of the program. See the application for specific instructions.
- Three letters of recommendation, including a character reference, and at least one academic reference. (If currently teaching, a reference from a supervising administrator is encouraged.)
- Resume or C.V.

Tuition and Fees

For tuition and fees, visit <https://www.albertus.edu/admission-aid/business-office/accelerated-degree-program/graduate-tuition-fees.php>.

- Application Fee: \$50.00
- Tutorial Surcharge: \$500.00 (for student requested tutorial)

Fees and rates are subject to change.

Accreditation

Albertus Magnus College is accredited by the [New England Commission of Higher Education \(NECHE\)](#).

The Post-Graduate Certificate in STEM Leadership is accredited by the [State of Connecticut Office of Higher Education](#).

Program Format

Classes are offered in five, eight-week modules during the calendar year. All classes are fully online.

Academic Advisement

Admitted students are assigned a faculty advisor, typically the program director. Together the student and advisor will develop a program of study. Throughout the program the

advisor will assist students with course planning, registration and regular academic review.

Course Load

Students may register for no more than 3 credits per mod.

PROGRAM OF STUDY

REQUIRED CORE (12 credits)

ED 530	Curriculum and Methods of STEM - Certificate Track
ED 610	Engaging Diverse Audiences - Certificate Track
ED 611	Techniques for Accessibility and Inclusion - Certificate Track
ED 612	Principles of Technology/STEM and Assessment - Certificate Track