

Central Connecticut State University
Sixth Year Certificate in Mathematics Education Leadership

Program Rationale:

The overall objective of the Sixth Year Certificate Degree in Mathematics Education Leadership is to develop highly skilled and knowledgeable educators who can play leadership roles in their schools and districts to improve student learning in mathematics. There are two tracks within this degree to meet the objectives of our graduates. One track leads to the department chair certification (DCC). The other track leads to the intermediate administrator certification (IAC).

Program Learning Outcomes

1. Students will possess deep content knowledge of mathematics that is taught in schools, with a focus on grades K-12 and are able to analyze any mathematics curriculum in terms of its logical, psychological and sociological sources.
2. Students will be knowledgeable about research on the learning and teaching of mathematics and its impact in the classroom.
3. Students will be able to examine cultural connections with mathematics and mathematics education. They will be aware of equity issues, such as gender, race, ethnicity, social class, language acquisition, access to technology, and achievement.
4. Students will understand how to use assessment as a tool for continual program improvement.
5. Students will be able to apply their deep understanding of curriculum, learning, teaching, the social context of education, and assessment issues to the challenges of improving teaching and learning in their school and district.