



Master of Arts in Education major in Mathematics Teaching

Academic Year 2018-2019

Reference CMO: CMO No. 53, s. 2007

Program Objectives

The Master of Arts in Education major in Mathematics Teaching (MAED-MT) aims to produce educators who:

1. demonstrate competencies in mathematics to facilitate the successful pursuit of an advanced level of proficiency in mathematics education;
2. show competence in educational pedagogy and adapt with the innovations in mathematics instruction and knowledge generation;
3. provide technical and expert leadership and/or assistance in the conduct of socio-civic activities in the community; and
4. keep track of latest trends in the field of specialization and adopt creative and innovative solutions to mathematics teaching and testing through research and advanced studies.

Program Outcomes

Graduates of the MAED-MT program are expected to:

1. utilize higher order skills and various methods of research in the analysis, critical assessment, and application and communication of knowledge in mathematics to everyday instruction and in the provision of meaningful learning experiences;
2. show advanced proficiency and dedication in the delivery of instruction, using a complex and coherent body of knowledge and skills in mathematics education;
3. demonstrate creativity and flexibility in applying knowledge and skills to new situations, and solve complex problems in the field through rigorous thinking and independent work;
4. apply existing knowledge and utilize proper contexts in addressing various issues that concern the teaching and learning of mathematics;
5. manifest a comprehensive understanding of the methods of inquiry in their own research or advanced scholarship, and use these methods to create and interpret knowledge in the field; and
6. continue to advance knowledge and skills in the field using the established sources of advanced information.