Education-Science Education (EDSC)

Courses

EDSC 623. Teaching Physical Science in Stem Education. 4 Units.
Examine, develop and apply physical science learning in inquiry-based and problem-based activities that reflect perspectives of STEM Education.

EDSC 634. Research in Mathematics and Science Education. 4 Units.
Focus on current research in mathematics and science education.

EDSC 643. Assessment in the Science Classroom. 4 Units.
Assessment techniques in science education including the development of assessment tools to obtain reliable and useful information about student achievement in science.

EDSC 644. Inquiry in the Mathematics and Science Classroom. 4 Units.
Introduction to inquiry teaching and learning in mathematics and science. Focuses on the design of classroom learning experiences to support mathematical and scientific investigation, and the use of appropriate classroom teaching and learning strategies, materials and assessment to guide mathematics and scientific investigation.

EDSC 647. Teaching Earth/Space Science in Stem Education. 4 Units.
Examine, develop and apply earth science and space science learning in inquiry-based and problem-based activities that reflect perspectives of STEM Education.

EDSC 648. Teaching Life Science in Stem Education. 4 Units.
Examine, develop and apply life science learning in inquiry-based and problem-based activities that reflect perspectives of STEM Education.

EDSC 699. Masters Degree Project. 4 Units.
Prerequisites: advancement to candidacy
Development and completion of masters thesis/project.

EDSC 999. Comprehensive Examination. 0 Units.
Prerequisites: advancement to candidacy, completion of course work in the program and in good academic standing
An assessment of the student's ability to integrate the knowledge of the area, show critical and independent thinking and demonstrate mastery of the subject matter.