Master of Arts Degree
with a Major in
Elementary Education
or Secondary Education
and a Concentration in
Mathematics, Science and
Educational Technology
(MSET)

Fall 2010 – Fall 2012
http://ted.unm.edu/

Master of Arts Degree
with a major in
Elementary Education or
Secondary Education
and a concentration in
Mathematics, Science and
Educational Technology (MSET)

The Program of Studies for participants in the MSET concentration cohort includes course work in either mathematics, the sciences or educational technology and teacher education.

The courses within the Program of Studies contain experiences and knowledge bases which emphasize the following themes:
- Inquiry
- Research
- Analysis and Critique
- History and Philosophy
- Cultures and Diversity

These themes focus on the contexts of learning and the sociopolitical aspects of learning and teaching.

STUDENT OUTCOMES
- Analyze and critique research, curriculum, assessment and pedagogical practices in mathematics, science and/or technology education.
- Acquire skills necessary to meet the needs of culturally, linguistically, and educationally diverse communities particular to the Southwest.
- Conduct research and engage in inquiry on teaching and learning in science, mathematics and/or educational technology.
- Apply philosophical, historical and current perspectives in the domains of science education, mathematics education, technology education, elementary education, secondary education and teacher education.
The student must follow the UNM Catalog in place at the time of his/her admission, plus any additional departmental requirements.

The student should check his/her academic record (LoboWeb) at the end of each term to ensure that his/her status, degree program, grades and GPA are correct and in compliance with University policies.

The student must meet the general degree requirements published in the UNM Catalog.

The student must submit a Program of Studies (POS) listing all the courses that apply to the degree. The POS form can be filed at any time after admission but must be filed no later than the term before the student intends to graduate. The specific deadlines are as follows: March 1 for Summer graduation, July 1 for Fall graduation and October 1 for Spring graduation.

The student must notify the degree program of his/her intent to graduate the term prior to the term of graduation. The student should confirm additional deadlines with his/her program.

The student is required to pass a master’s examination and/or thesis defense. The master’s examination may be taken only after the Program of Studies has received approval by the Graduate Dean and only if the student is in good academic standing. The Announcement of Examination form must be submitted to OGS two weeks before the scheduled date of the examination. The student must be enrolled in the term the master’s examination is taken.

The student must satisfy degree requirements (passed master’s exam and/or thesis submission) by the deadlines of July 15 for summer graduation, November 15 for Fall graduation, or April 15 for Spring graduation.

The student who misses the term graduation deadline, but completes degree requirements by the last day of that term may choose to follow the Courtesy Policy.
COURSEWORK REQUIREMENTS

The Master's degree in this program is offered under Plan II (without thesis) and requires a minimum of 36 semester hours.

Core Course Requirements (18 hrs)
- EDUC 542: Principles of Curriculum Development
- MSET 525: T: Multicultural Environmental Education
- EDUC 500: Research Applications to Education
- MSET 593: T: Technology and the Learning Process
- MSET 593: T: Infusing Technology into Instruction
- EDUC 590: Masters Seminar

MSET Concentration Requirements (18 hrs)*
- MSET 593: T: Philosophy of the Sciences
- MSET 593: T: Directed Readings in MSET

*12 Hours of Electives:
Candidates with majors in either Elementary Education or Secondary Education, any 300 level or above course as designated in the University Catalog which are in the content area and are approved by an advisor.
- Alternative course work may be substituted only with the approval of the student's advisor.
- For Science and Mathematics students, a minimum of 6 hours must be taken outside the College of Education.

MSET Cohort Schedule

Semester 1: Fall 2010
- MSET 593: T: Technology and the Learning Process
- MSET 593: T: Philosophy of the Sciences

Semester 2: Spring 2011
- MSET 525: T: Multicultural Environmental Education
- EDUC 500: Research Applications to Education

Semester 3: Summer 2011
- Content-Based Elective I
- Content-Based Elective II

Semester 4: Fall 2011
- MSET 593: T: Infusing Technology into Instruction
- CMTE 542: Principles of Curriculum Development

Semester 5: Spring 2012
- MSET 593: T: Directed Readings in MSET
- CMTE 590: Masters Seminar

Semester 6: Summer 2012
- Content-Based Elective III

Semester 7: Fall 2012
- MSET 591: Problems
- Master's Examination

MSET Cohort Schedule

Fall and Spring Courses will be on Tuesdays
Course 1: 4:15 p.m. to 6:45 p.m.
Course 2: 7:00 p.m. to 9:30 p.m.

YEAR 1

YEAR 2

YEAR 3

Master’s Examination Overview

3 Examination Options
- Option 1: Inquiry Paper
- Option 2: Project & Presentation
- Option 3: Written Examination

Role of the Faculty Advisor
The Faculty Advisor serves as the Master’s Examination Chair. The Faculty Advisor directs the Master's Examination process.

Responsibilities of the Faculty Advisor/Examination Chair
The Faculty Advisor assists the Candidate in:
- Determining examination option appropriate for the candidate's professional goals
- Determining the examination topic and focus/questions
- Determining the Examination Committee members
- Setting the Proposal and Examination Meetings of the Examination Committee

Role of the MA Candidate
- Meeting with Faculty Advisor at least once every semester
- Planning ahead and preparing for the Master's Examination
- Providing the Faculty Advisor/Examination Chair and the Examination Committee members with frequent drafts of examination work to seek feedback and direction

Field Centers
The Field Centers have the option of giving MA Candidates one, two or all three options for the Master’s Examination.
Dr. Jonathan Brinkerhoff, Educational Technology
HH 287          277-7305    jbrink@unm.edu

Dr. Sylvia Celedon-Pattichis, Mathematics Ed.
HH 232          277-2536    sceledon@unm.edu

Dr. Jon Conescu, Science Education
UNM Valencia       925-8614    jconescu@unm.edu

Dr. Karla Kingsley, Educational Technology
HH 289          277-1625    karlak@unm.edu

Dr. Richard Kitchen, Mathematics Education
HH 252          277-7753    kitchen@unm.edu

Dr. Anne Madsen, Mathematics Education
HH 214          277-1157    madsen@unm.edu

Dr. Joseph Martinez, Mathematics Education
SSC B-48       277-4980    jomart@unm.edu

Dr. Quincy Spurlin, Science/Environmental Education
HH 236          277-4976    quincy@unm.edu

Dr. Kathryn Watkins, Science Education
HH 296          277-8186    watkins@unm.edu

TEACHER EDUCATION DEPARTMENT

Dr. Rose Mitchell, Department Chair
HH 128          277-9611    rosalita@unm.edu

Sarah Valles, Department Administrator
HH 126          277-0504    sarahc@unm.edu

Mary Francis, Administrative Assistant
HH 121          277-9439    mfrancis@unm.edu

Robert J. Romero, Administrative Assistant
HH 121          277-0513    robj@unm.edu

TREE IMAGES USED IN THIS BROCHURE
Fractal Julius Tree made with the Fractal Imaginator (Fi)
Image credit: Genome graphic representation completed with GenomeViz software, provided by Rohit Ghai. Fractal tree obtained with the FractalTrees X software, provided by Simon Woodside. Compiled by Edouard Yeramian.