



Master of Arts in Science Education (MASE) is a graduate program designed for science teachers in elementary, secondary, and tertiary level who wish to upgrade their capabilities in science teaching.

The curriculum consists of 49 units which may be completed in four semesters and one summer if the prescribed curriculum is followed. The students, however, may opt for a longer time of completion but it should not exceed five years.



PROGRAM OBJECTIVES/OUTCOMES

- To produce and empower scientifically literate citizens.
- To enable graduate students to use science concepts, process, skills and values in making everyday decisions as they interact with other people and their environment; distinguish scientific evidence from personal opinions; use the achievements of science for the benefit and not for the destruction of mankind.
- To provide the needed knowledge, skills and competence in science education specifically for teaching research and extension and community service.

CURRICULAR OFFERING

Core Subjects		12 Units
EDF 201	Foundations of Education I	3
EDF 202	Foundations of Education II	3
EDF 203	Advanced Methods of Research	3
EDF 204	Advanced Statistics	3
Major Subjects		15 Units
SEd 211	Advanced Topics in Biological Science	3
SEd 212	Advanced Topics in Earth Science and Space Travel	3
SEd 213	Advanced Topics in Chemistry	3
SEd 214	Advanced Topics in Physics	3
SEd 215	Laboratory Teaching in the Sciences *(SEd 211-214)	3
Cognate Subjects (Choice of 3 subjects: 9 units)		
SEd 221	Advanced Topics in Environmental Science	3
SEd 222	Trends in Science Instruction	3
SEd 223	Science, Technology & Society	3
SEd 224	Management of Science Programs	3
SEd 225	Seminar in Scientific Research	3
SEd 226	Foundations of Science	3
SEd 227	Recent Developments in Biotechnology	3
INSTITUTIONAL REQUIREMENTS** (4 units)		
GR 298	Basic Information Technology & Management System	3
GR 299	Graduate Seminar (Thesis) Programs *(All Acad. Subj.)	1
PROGRAM REQUIREMENT (6 units)		
GR 300	Thesis Writing *(GR 299)	6
TOTAL NUMBER OF UNITS		42
<i>*Pre-requisites/Co-requisites</i>		

CLIENTELE



Basic education teachers, science teachers/educators, science coordinators/administrators, curriculum/program developers and science textbook writers.

MODE OF INSTRUCTION

A student enrolled in the program will be given a learning package (Modules) to read and to work on. He/she can choose any of the three modes of learning.

- **Group Paced Learning**
Students follow a fixed class schedule at least once to twice a month on Saturdays to meet their tutors for discussion, seminars, symposia, and/or conferences to enrich their learning experience. Students are expected to submit written assignments, and sit in supervised examinations at the University.
- **Self-Paced or Individualized**
A student is provided with his/her own tutor and a class schedule. Modules, independent researches and other instructional materials are laid down by the tutors who help the

student enhance his/her knowledge, skills and attitudes. The student is required to visit the University as scheduled.

- **Online Learning** – A student is provided with his/her own tutor online and a class schedule. Tutors utilize an open source learning management system (LMS) as virtual classroom and other communication tools available today. The student may process his/her requirements and exams via online.

ADMISSION REQUIREMENTS

Applicants must submit the following:

1. Honorable Dismissal – OTR
2. Certificate of Employment
3. NSO Birth Certificate
4. Medical Certificate with chest x-ray
5. 6 pcs. 2X2 Picture w/ white background
6. 3 pcs. Long folder w/ fastener

CONTACT DETAILS

Tel. No. (072) 607-8324,
TELEFAX (072) 242-3608
dous_dlc@yahoo.com

Philosophy (Pilosophia)

Total human development with appropriate competencies

“Naan-anay a pannakamuli ti tao iti umiso ken nadumaduma a kabaelan”

Vision (Sirmata)

A premier and globally competitive university

“Kangrunaan ken mabigbigbig nga Universidad iti sangalubungan”

Mission (Misyon)

Provides relevant quality instruction, research & extension

“Mangipaay iti maiyanatup ken dekalidad a panagisuro, panagsukisok ken ekstensiyon”

Goal (Panggep)

To lead in transforming human resources into productive, self-reliant citizens & responsible leaders

“Mangidaulo iti pannakatubay dagiti tao a managparnuay, makapagwaywayas ken nanakman a mangidalan”

DOUS Goal

To provide distance education to people who have no access to schools, colleges, and universities or to those who, for one reason or another, cannot avail themselves of the conventional mode of instruction.



“providing more opportunities”



Don Mariano Marcos Memorial State University
OPEN UNIVERSITY SYSTEM
Cor. Gov. Ortega St., Brgy. Catbangan,
City of San Fernando, La Union
Philippines 2500

Master of Arts in Science Education (MASE) (BOR No. 2010-41)

