

Department of Physics

M.Sc. in Physics

The following shall be eligible for admission:-

- Holders of a B.Sc degree with at least Second Class Honours (Upper Division) in Physics or a related subject from the University of Nairobi or any other institution recognized by the Senate.
- Holders of a B.Sc degree with a Second Class Honours (Lower Division) in Physics or a related subject from the University of Nairobi or any other institution recognized by the Senate, plus at least two years relevant research/work experience may be considered for admission.
- Holders of a B.Sc Pass level degree in Physics or a related subject from the University of Nairobi or any other Institution recognized by the Senate plus at least five years relevant research/work experience may be considered for admission.

DOCTOR OF PHILOSOPHY PROGRAMMES

- Chemistry
- Meteorology
- Geology
- Physics

Eligibility for Registration

- Holder of a Master of Science degree of the University of Nairobi
- Holder of a Master's degree or equivalent academic qualification of another institution recognized by the University of Nairobi Senate.
- Evidence, to the satisfaction of Senate on either of the two cases above should be produced that the candidate is capable of carrying out an original research.

MODE OF APPLICATION

Application forms can be obtained from the University of Nairobi – Main Campus, Gandhi Wing Room G3, upon payment of a non-refundable application fees of Kshs.3,000 (Note: Non-Kenyans pay 25% more on all charges). Application fees may be directly deposited into the UNES/UON ACCOUNT, BARCLAYS BANK, Westlands Branch A/C No. 03-073-1023948. Bankers Cheques will also be accepted. CASH PAYMENTS WILL NOT BE ACCEPTED.

Completed Application Forms for postgraduate applicants should be returned to the BOARD OF POSTGRADUATE STUDIES, NOT LATER THAN the deadline set in the advertisements.

Postgraduate Diploma in Aviation Meteorology		
Whole programme cost	Kenyans (Kshs.)	Foreigner (US\$)
Total	202,500	5235

Master of Science in Agrometeorology		
Whole programme cost	Kenyans (Kshs.)	Foreigner (US\$)
Total	363,000	11420

Master of Science in Aviation Meteorology		
Whole programme cost	Kenyans (Kshs.)	Foreigner (US\$)
Total	332,000	10980

Master of Science in Meteorology		
Whole programme cost	Kenyans (Kshs.)	Foreigner (US\$)
Total	332,000	10980

Postgraduate Diploma in Meteorology		
Whole programme cost	Kenyans (Kshs.)	Foreigner (US\$)
Total	223,500	5770

Master of Science in Geology		
Whole programme cost	Kenyans (Kshs.)	Foreigner (US\$)
Total	202,500	5235

M.Sc. Programmes in Chemistry		M.Sc. Programmes in Physics	
Year of Study	AMOUNT (KSHS)	Year of Study	AMOUNT (KSHS)
Year 1	120,000/-	Year 1	120,000/-
Year 2	122,700/-	Year 2	122,700/-

PhD. Programmes in Chemistry	
Year of Study	AMOUNT (KSHS)
Year 1	152,200/-
Year 2	135,200/-
Year 3	135,200/-

For more information contact:
 Dean, School of Physical Sciences
 P.O. Box 30197-00100
 Tel. 254-20-4442482 or 254-20-4449004/5 ext. 2120
 Email: infoscience@uonbi.ac.ke, <http://www.uonbi.ac.ke>

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UNIVERSITY OF NAIROBI

COLLEGE OF BIOLOGICAL AND PHYSICAL SCIENCES

SCHOOL OF PHYSICAL SCIENCES

POSTGRADUATE DIPLOMA

- Environmental and Natural Disaster Management
- Meteorology
- Aviation Meteorology
- Operational Hydrology
- Water Resource Management and Conservation

MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

- Chemistry
- Environmental Chemistry
- Mineralogy and Petrology
- Economic Geology and Mineral Resources
- Environmental Geology and Management
- Engineering Geology
- Hydrogeology and Groundwater Resource Management
- Petroleum Geology
- Marine Geology
- Marine Geology and Resources
- Applied Geochemistry
- Applied Geophysics
- Seismology
- Palynology and Macropalaentology
- Mineral Exploration
- Meteorology
- Agrometeorology
- Aviation Meteorology
- Theoretical Physics
- Experimental Condensed Matter Physics
- Geo- and Space Physics
- Electronics and Instrumentation
- Nuclear and Radiation Physics
- Laser Physics and Spectroscopy

INTRODUCTION

The School of Physical Sciences (SPS) is located at Chiromo Campus. It is composed of the Departments of Chemistry, Geology, Meteorology, and Physics. It offers several programmes that cater for the changing needs of society. Departments have fully equipped laboratories and libraries for teaching and research. The School has high expertise in all science disciplines. The school is home to innovations, discoveries, and new knowledge. Distinguished researchers mentor students with a view to imparting expertise in scientific research. More information may be obtained from the various websites of the component departments of the School of Physical Sciences.

ADMISSION REQUIREMENTS DEPARTMENT OF CHEMISTRY

M.Sc. Programmes in Chemistry

Applicants seeking admission into the 2-year M.Sc. programmes above must meet the following requirements:

- Holders of a B.Sc. degree in Chemistry with at least Second Class Honours (Upper Division) from the University of Nairobi or other Institutions recognized by Senate.
- Holders of B.Sc. degree in Chemistry or Chemistry combined with another subject with at least Second Class Honours (Upper Division) from the University of Nairobi or other Institutions recognized by Senate.
- Holders of B.Sc. degree in Chemistry or Chemistry combined with another subject with a Lower Second Class Honours, with evidence of three years of proven research and academic work in Chemistry.

DEPARTMENT OF GEOLOGY

Postgraduate Diploma in Environmental and Natural Disaster Management

Holders of B.Sc. degree from the University of Nairobi or from a recognized University in the following disciplines: architecture, biological sciences, health science, chemistry, engineering, environmental science, geography, geology, hydrology, land development, meteorology, physics and urban and regional planning.

M.Sc. in Geology

Candidates must fulfill the general University of Nairobi regulations governing Master of Science programmes and those of the School of Physical Sciences. Holders of the following qualifications will be eligible:

- Holders of a B.Sc. degree in Geology with at least a Second Class Honours (Upper Division) from a recognized University or equivalent
- Holders of a B.Sc. degree in Geology with a Second Class Honours (Lower Division) from a recognized University or equivalent with two years relevant post qualification experience. In addition, the applicant must have shown strong evidence of research through publications.
- Holders of a Pass level degree and a postgraduate Diploma from the University of Nairobi or other institutions recognized by Senate.
- Holders of a Pass level degree from the University of Nairobi or other Institutions recognized by Senate with at least five years relevant post qualification experience.

Candidates who wish to specialize in Applied Geophysics or Seismology, besides being B.sc Graduates in Geology, should have studied Physics and mathematics to at least second year level of the university of Nairobi B.Sc programme or equivalent.

DEPARTMENT OF METEOROLOGY

Postgraduate Diploma in Aviation Meteorology

A holder of a B.Sc degree of the University of Nairobi or an equivalent qualification from any other institution recognized by the Senate in Meteorology, Mathematics and Physics, Physics and Chemistry, Applied Mathematics, Geography and Mathematics, Agricultural Engineering, Civil Engineering, Electrical Engineering, Mechanical or Computer Science.

Postgraduate Diploma in Meteorology

A holder of a B.Sc degree of at least Pass Level of the University of Nairobi or an equivalent qualification from any other institution recognized by the Senate. In addition, the candidate must have any of the following background qualifications:

- Mathematics and Physics
- Mathematics and Physics done in First Year
- Mathematics, Chemistry and Physics done in the First Year
- Physics and Chemistry
- Applied Mathematics with any other science subject
- Agricultural Engineering, Civil Engineering
- Electrical Engineering or Mechanical Engineering
- Computer Science.

Postgraduate Diploma in Operational Hydrology

A holder of a B.Sc degree of the University of Nairobi or an equivalent qualification from any other institution recognized by the Senate in Meteorology, Mathematics and Physics, Physics and Chemistry, Applied Mathematics, Geography and Mathematics, Agricultural Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering or Computer Science.

M.Sc. in Agrometeorology

The following shall be eligible for admission:-

- Holders of Bachelor of Science (B.Sc.) Degree, of at least Upper Second Class Honours, in any of the following science based disciplines: Meteorology, Agriculture, Agricultural Engineering, Horticulture, or an equivalent qualification from any other institution recognized by the Senate.
- Bachelor of Science (B.Sc.) Degree, of Lower Second Class Honours, in the disciplines mentioned in (a) above with a working experience of at least two years in a relevant research/operational institution.
- Bachelor of Science (B.Sc.) Degree, of pass level, in the disciplines mentioned in (a) above with a working experience of at least five years in a relevant research/operational institution.
- Holders of equivalent degrees from other universities recognized by the University of Nairobi Senate.

M.Sc. in Meteorology

Holders of any of the following shall be eligible for admission:-

- A degree from the University of Nairobi of at least Upper Second Class Honours in Meteorology or an equivalent qualification from any other institution recognized by the Senate.
- A Lower Second Class Honours degree of the University of Nairobi in Meteorology or an equivalent qualification from any other institution recognized by the Senate plus at least two years relevant research/work experience.
- A Pass level degree of the University of Nairobi in Meteorology or an equivalent qualification from any other institution recognized by the Senate with a working experience of at least five years in a relevant research/operational institution.
- A B.Sc. degree of the University of Nairobi in any science based discipline or an equivalent qualification from any other institution recognized by the Senate, plus a Postgraduate Diploma in Meteorology.

M.Sc. in Aviation Meteorology

Entry Requirements

A holder of a B.Sc degree of the University of Nairobi or an equivalent qualification from any other institution recognized by the Senate shall be eligible for admission if he/she has one of the following qualifications:

- At least Upper Second Class Honours degree in Meteorology or equivalent.
- Postgraduate Diploma in Aviation Meteorology or equivalent.
- Lower Second Class Honours degree, in Meteorology with a working experience of at least two years in a relevant research/operational institution.
- Pass level degree, in Meteorology with a working experience of at least five years in a relevant research/operational institution.