



10 CREATES Scholarships for Regional Master's candidates available starting in April, 2018 –Master's by Research and Thesis only (Tanzanians do not qualify for this Call since the required number for Tanzanian Students has been reached)

The Centre for Research, Agricultural advancement, Teaching Excellence and Sustainability in Food and Nutritional Security (CREATES), hosted by the School of Life Sciences and Bioengineering at the Nelson Mandela African Institution of Science and Technology (NM-AIST) has opened its second call for Master's scholarship opportunities for qualified regional candidates. The newly established African Centre of Excellence aims to support young African Scientists who are committed, passionate and innovative enough to address societal real life issues by developing simple low cost novel technologies. The graduates are expected to be job creators and not job seekers thus innovative students are highly preferred. NM-AIST provides experiential teaching, a buzzing atmosphere of international and interdisciplinary research and education activities as well as novel curricula approaches, cutting-edge research facilities and highly skilled national, regional and international supervisors in various fields of Life Sciences. CREATES supports novel technologies and private-public partnerships with the industry and the community at large as well as hands-on learning experience and evidence-based problem solving projects. CREATES support students understating MSc degree in Life Science with specialization on: Sustainable Agriculture; Food and Nutritional Sciences; Biodiversity and Ecosystem Management; Clinical Human Nutrition and Dietetics; and Global Health and Biomedical Sciences.

Minimum preferred qualifications

- Come from an Eastern or Southern African country except for Tanzania
- A minimum of Upper Second Class BSc degree in Life Sciences or equivalent related fields such as Nutrition, Medicine (human and veterinary), Pharmacy, Agriculture, Agronomy, Biology, Chemistry, Ecology, etc. The BSc. Degree should have been acquired from any accredited university within Africa or other International Institutions recognized by the Tanzania Commission for Universities (TCU).
- Candidates that hold unclassified degrees (e.g. MD, BVM and DDS) shall have at least an overall of "C" grade and an average of "B" grade in the relevant subject or field of his/her specialization.
- Be able to publish scientifically in high impact peer reviewed international journals during the course of their studies.
- Have published at least one peer-reviewed scientific paper in an internationally renowned journal
- Have interest in the above teaching and research approach and be able to work independently and in a team.
- Must be below 35 years of age

- Have proficient in both English writing and speaking
- Be willing to specialize in one of the four CREATES pillars.
- Have published at least one peer-reviewed scientific paper in an internationally renowned journal
- Have a high degree of computer competence and familiarity with modern statistical software
- Have the ability to work in multi-disciplinary and international teams.
- Be self-motivated and be able to work under pressure to meet deadlines when required.
- Must be able to apply for additional external research funding
- Females and regional candidates are strongly and highly encouraged to apply

Details of the Scholarship

The Master's scholarship programme has already started and will run for two years. All admitted students will receive a partial scholarship over this time frame. The partial scholarship will cover university fees and direct student costs (i.e., a monthly stipend at the rate of US\$ 200 per month to cover living expenses (meals and upkeep allowance) while in Tanzania. Accommodation fees are being paid directly to NM-AIST which provides student hostels. Support to attend prescribed courses and/or undertake research in partner institutions will be covered as will be determined by CREATES Management Team and the respective students and supervisors. All students are required to apply for additional funding to cover their research activities.

Application Package

All applications to contain:

- Application letter or motivational letter indicating why you should be funded
- Curriculum Vitae (CV)
- A one-page abstract of their BSc thesis if available
- Two recommendation letters; one from an employer (if working) and one from academic supervisor
- Certified copies of academic certificates and transcript
- At least one relevant scientific publication

All applicants holding foreign qualifications must have their qualifications validated and equated by the respective regulatory bodies before being allowed for admissions as follows:

- The Tanzania Commission for Universities in respect of University Qualification Framework (UQF) Level 6 to 9 qualifications
- The National Council for Technical Education in respect of NTA Level 6 to 9 qualifications
- The Vocational Education and Training Authority in respect of certificates in vocational education and training
- The National Examination Council of Tanzania in respect of certificates of secondary education and teacher education

CREATES RESEARCH THEMES

Pillars	Sustainable Agriculture	Food and Nutrition Science		Biodiversity Conservation and Ecosystem Management		Global Health and Biomedical Science	
Main Research Themes	Sustainable Agriculture	Human Nutrition and Dietetics	Food Science and Technology	Sustainable Use of Natural Resources	Biodiversity Conservation	Emerging and Re-emerging Health Threats	Pathogen Surveillance Preparedness and Response
Sub-Research Themes	Plant Molecular Breeding for Managing Biotic and Abiotic Stress	Clinical Nutrition	Agro-Processing and Postharvest Losses Management	Rangeland Science and Management	Molecular Biodiversity and Bio-Propecting	Human and Animal Infectious Diseases	Diseases Modelling and Predictions
	Sustainable Management of Tropical Agriculture Production Systems	Dietetics	Food Safety	Rangeland Science and Management	Molecular Biodiversity and Bio-Propecting	Human and Animal Infectious	Vaccinology
	Pest Diagnostic and Management in Agriculture	Community Nutrition	Functional Food for Health	Land use Scenarios under Climate Change	Invasive Species Management	Zoonoses	Herbal Products and Pharmaceuticals
	Agro-ecology			Human Wildlife Co-existence	Community Based Conservation	Non Communicable Diseases	Diagnostics
	Seed borne Pathogens					Antimicrobial Resistance (AMR)	Risk Assessment and Management
	Molecular Plant Pathology						

Mode of applications and deadline

All application documents should be sent electronically to:
createspostgrad@nm-aist.ac.tz

Deadline for this application is **March 18th**,

Recruitment will be done in April, 2018.

For more information about the position and the CREATES please visit the NM-AIST website www.nm-aist.ac.tz under the menu of Schools and Centres

You can also visit <http://nm-aist.ac.tz/pages/lisbe.php>