



BACHELOR OF SCIENCE IN DRYLAND SUSTAINABILITY SCIENCE AND TECHNOLOGY (DSST)



1. Are you fascinated by the unique challenges and opportunities presented by dryland environments?
2. Are you passionate about finding sustainable solutions to address water scarcity, desertification, biodiversity loss, and climate change? Look no further!
3. Introducing the **Bachelor of Science Degree in Dryland Sustainability Science and Technology** - an innovative program that equips students with the knowledge and Technological skills to become leaders in the field of dryland sustainability.
4. We are thrilled to welcome new students for the ongoing (**till September 20th**) admissions at the University of Nairobi for the academic year 2023/2024!
5. Don't miss the opportunity to be part of the solution for sustainable development of the dryland regions.
6. Apply now and join our dynamic community of dryland sustainability pioneers!

For further information and inquiries, contact the Chairman, Department of LARMAT

The Department of Land Resource Management and Agricultural Technology (LARMAT), Faculty of Agriculture of the University of Nairobi, will be offering the above four-year degree programme during the Academic Year, 2023/2024 starting September 2023 – YOU ARE WELCOME TO APPLY.

A] Why Enrol in the course;

1. Over 80% of the Kenyan land mass is classified as Arid and Semi-arid lands (drylands).
2. There is a dire need for manpower with knowledge and skills to harness the resources provided by the drylands and promote their sustainable development while addressing the current key global challenges that include global warming, climate change, and biodiversity loss.
3. The program illuminates topical challenges in drylands with the noted capacity gaps to be addressed using modern scientific knowledge, innovations and (digital) technologies.

B] Goal of the Programme

1. Training holistic graduates equipped with an agroecology mindset, knowledge, and excellent 21st Century skill sets for co-creation of technological solutions to effectively manage and conserve dryland resources locally, and globally.
2. Equipping trainees with appropriate scientific and technical knowledge and skills to implement sustainable and climate-resilient technologies and practices in the drylands.

3. Increasing opportunities for socioeconomic development, and enhancing drylands' capacity to support national, regional, and global economies.

C] Technological Advancement and Innovation

The programme takes cognisance of the advancement of digital technology and innovations and has embedded them in each course unit. In addition, most of the SDG's targets have been well captured in the programme.

D] Programme Mode of Delivery

1. A multifaceted approach will be used in the delivery of the programme by a multidisciplinary team of lecturers with expertise in; land & water management; dryland ecologists; soil science; animal scientists, biodiversity conservation; social economics among others.

The mode of delivery include; Face-to-face, ODEL, and blended learning and e-learning. All employing different techniques and methods of teaching and learning

E] The Graduates

The market-ready graduates will provide practical, advisory, and specialised services in a wide range of fields bestriding the dryland ecosystems locally and globally employing the emerging 4IR Technologies for their sustainable development.

1. The DSST graduates will thus be agents of change and entrepreneurs in the transformation of the drylands of Kenya, Africa, and globally.
2. With potential employment opportunities in local and international research institutions working in the drylands and related environments; academic institutions; national and county government departments, among many others.

For further information and inquiries,
Contact (<https://larmat.uonbi.ac.ke/>)
The Chairman,
Department of LARMAT
on larmat@uonbi.ac.ke or call 0204916064;
or
Course Coordinator. J. Mbau on 0722212100



BSc. Dryland Sustainability Science and
Technology