



Step Up as a Dryland Sustainability Champion



University of Nairobi

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

1. Are you fascinated by the unique challenges – such as water scarcity, desertification, biodiversity loss, climate change - and opportunities presented by dryland environments?

The answer is right here!!

2. Apply for the Bachelor of Science Degree in Dryland Sustainability Science with Technology [DSST] -An innovative program designed to equip students with knowledge and technological skills, empowering them to become champions and solution providers for dryland sustainability.

[KUCCPS portal <https://students.kuccps.net/programmes/detail/6623/>] - **Till April 30, 2025**

The Department of Land Resource Management and Agricultural Technology (LARMAT), of the University of Nairobi, will be offering the **DSST** four-year degree programme during the Academic Year, **2025/2026 starting September 2025**

– YOU ARE WELCOME TO APPLY AND JOIN THE DYNAMIC COMMUNITY OF DRYLAND SUSTAINABILITY CHAMPIONS.

A) Why Enrol in the Degree program?

1. Over 80% of the Kenyan land area is Arid and Semi-arid (drylands).
2. Pressing need for manpower with knowledge and skills to sustainably utilize the dryland resources while addressing the current global challenges.
3. Topical challenges in drylands with the noted capacity gaps to be addressed using modern scientific knowledge, innovations and (digital) technologies are emphasized.
4. Aligned with the UN Sustainable Development Goals and hence prepares students to become part of the global sustainability movement!

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;
 - a. Effectively manage and conserve dryland resources locally, and globally.
 - b. Implement sustainable and climate-resilient technologies and practices in the drylands.
2. Increasing opportunities for socioeconomic development, and enhancing drylands' capacity to support national, regional, and global economies.

C) Technological Advancement and Innovation

The program recognizes the rapid advancement of digital technology and integrates digital tools, innovation, and Fourth Industrial Revolution (4IR) technologies throughout the design and delivery of course units, equipping students with future-ready skills needed to thrive in the 21st century.

D) Programme Mode of Delivery

1. Flexible Learning Options
 - Face-to-Face
 - Online & Distance E-Learning (ODEL)
 - Blended Formats
2. Delivered by a multidisciplinary team of land, water, climate, soil, range, and ecological experts.



E) The Graduates

1. The market-ready graduates will;
 - a. Provide practical, advisory, and specialised services in a wide range of fields spanning the dryland ecosystems locally and globally, employing the emerging 4IR Technologies, for their sustainable development.
 - b. Be agents of change and entrepreneurs in the transformation of the drylands of Kenya, Africa, and globally.
2. Career Opportunities in;
 - c. Research institutions (local & international),
 - d. Government and county agencies.
 - e. NGOs and environmental consultancies.
 - f. Academia and innovation hubs.
 - g. Entrepreneurial ventures in dryland solutions.

Bachelor of Science in Dryland Sustainability Science with Technology

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



Application support is available in all the 58 Huduma Centres countrywide & in the KUCCPS offices located at ACK Garden House on Ngong 1st Avenue in Community Area, Nairobi.

For more information, send an email to info@kuccps.ac.ke or call the customer care lines 0205137400 or 0723954927.

Further application support is available in selected National Polytechnics, Technical and Vocational Colleges and Universities spread across the country.

**BE THE CHANGE. BE THE SOLUTION.
ENROL IN DSST – A DEGREE FOR THE FUTURE. A FUTURE FOR THE DRYLANDS**