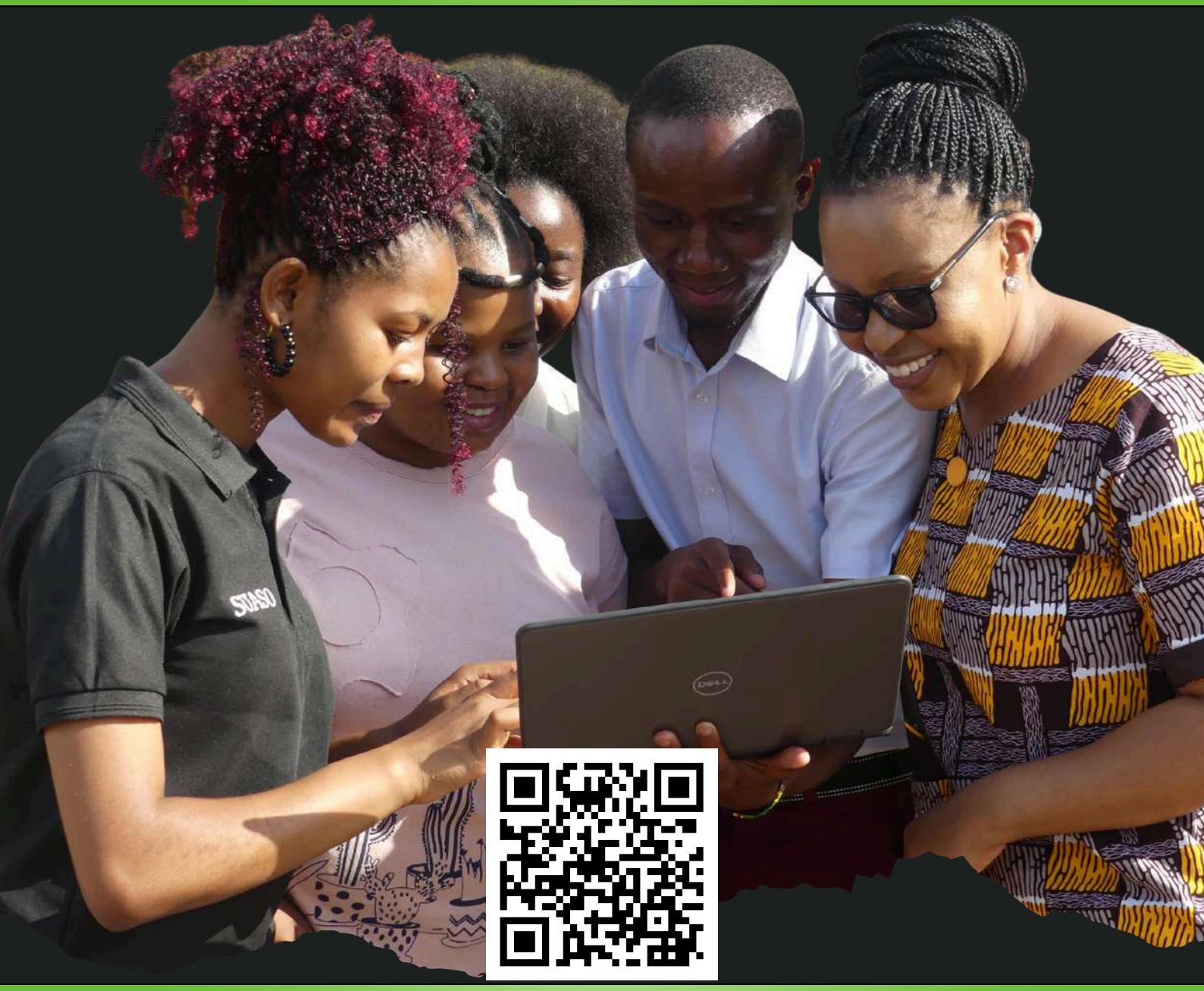
SOKOINE UNIVERSITY OF AGRICULTURE

PROSPECTUS

2025/2026 – 2027/2028

YOUR FUTURE

STARTS HERE



www.sua.ac.tz/apply

KARIBU

WELCOME TO SOKOINE UNIVERSITY OF AGRICULTURE

Prof. Raphael Chibunda

In this **Prospectus**

This publication provides comprehensive information about important matters related to academic programmes and student life at Sokoine University of Agriculture (SUA). It is intended to serve as a guide to prospective and ongoing undergraduate and postgraduate students in planning their study programmes.

It provides an exhaustive list of all undergraduate and postgraduate programmes, as well as career opportunities for each programme. It is therefore advisable to consult Principals, Deans, Directors and Heads of Department hosting the respective programmes for any clarification about the programmes whenever necessary.

The online version of this prospectus can be downloaded at: www.sua.ac.tz/prospectus. For further information about the university, staff profiles, research projects, contact information and various university policies and documents, please visit the SUA website www.sua.ac.tz

Message from
The Vice Chancellor

Dear prospective students, parents, and esteemed Stakeholders

With great pride and enthusiasm, I welcome you to Sokoine University of Agriculture (SUA), a distinguished University committed to excellence in education, research, and community engagement.

By choosing SUA, you become part of a distinguished University that stands as one of Africa's leading universities in the fields of agriculture and allied sciences.

As the Vice Chancellor, I am honoured to lead this vibrant community of scholars, researchers, and professionals dedicated to shaping the future of agriculture, natural resources, and rural development.

Since its establishment in 1984, SUA has continued to hold a unique place in the nation's education in the fields of agriculture and allied sciences.

The late Mwalimu Julius K. Nyerere, the first Chancellor of SUA and President of Tanzania, emphasised the university's importance in his inaugural address in 1984, stating:

"The Sokoine University of Agriculture is intended to be directly useful to our farmers and our nation, now, as well as in the future. It must be professionally-oriented, and the professions concerned are those that encompass the knowledge, understanding, and skills necessary to perform practical jobs in our rural areas, addressing the needs and solving the problems of Tanzanian agriculture and rural life.

Guided by this vision, SUA remains committed to producing professionals equipped with the skills and knowledge to address real-world challenges in rural communities and the agricultural sector. Our programs are designed with a strong practical orientation, ensuring graduates are career-ready and community-focused.

We emphasise interdisciplinary learning, hands-on research, and innovation to address pressing issues such as climate change, gender equity, blue economy development, and carbon trading. Our outreach programmes directly benefit thousands of farmers annually, reinforcing our role as a bridge between academia and the community.

At SUA, we are not just educating students—we are shaping future leaders in agriculture and natural resource management. We are proud of our legacy and excited about the future.

We look forward to welcoming you to our vibrant academic community. May your journey at SUA be enriching, inspiring, and transformational.

Prof. Raphael T. Chibunda
Vice Chancellor, Sokoine University of Agriculture

WHO WE ARE

OUR STORY, VISION, MISSION AND CORE VALUES

Our Story

Sokoine University of Agriculture (SUA) is a public university located on the slopes of the Uluguru Mountains in Morogoro, Tanzania. The history of SUA dates back to 1965, when it was established as an Agricultural College offering diploma training in various agricultural disciplines.

After the dissolution of the University of East Africa and the subsequent establishment of the University of Dar es Salaam (UDSM) in July 1970, the Agricultural College was transformed into a Faculty of Agriculture of the University of Dar es Salaam (UDSM) and thereby started offering Bachelor of Science in Agriculture degree.

In 1974, the Division of Forestry was established, and as a result, the Faculty of Agriculture became the Faculty of Agriculture and Forestry.

With the introduction of the Bachelor of Veterinary Science in 1976 and the establishment of the Division of Veterinary Science, the Faculty of Agriculture and Forestry was re-named as the Faculty of Agriculture, Forestry and Veterinary Sciences.

Sokoine University of Agriculture (SUA) was established on 1st July 1984 through Parliamentary Act No. 6 of 1984, following the transformation of the Faculty of Agriculture, Forestry and Veterinary Sciences of the University of Dar es Salaam into a fully-fledged university.

The institution was subsequently renamed Sokoine University of Agriculture in honour of the late Prime Minister of the United Republic of Tanzania, Edward Moringe Sokoine, who tragically passed away in a car accident on 12th April 1984 in Morogoro.

In 2005, the enactment of the Universities Act No. 7 (Cap 346) repealed Act No. 6 of 1984, enabling the formulation of University Charters. As a result, SUA has been governed under its own Charter and Rules, formally signed on 28th March 2007.

The Charter was later amended and published as Government Notice No. 683 on 28 August 2020.

Our Vision

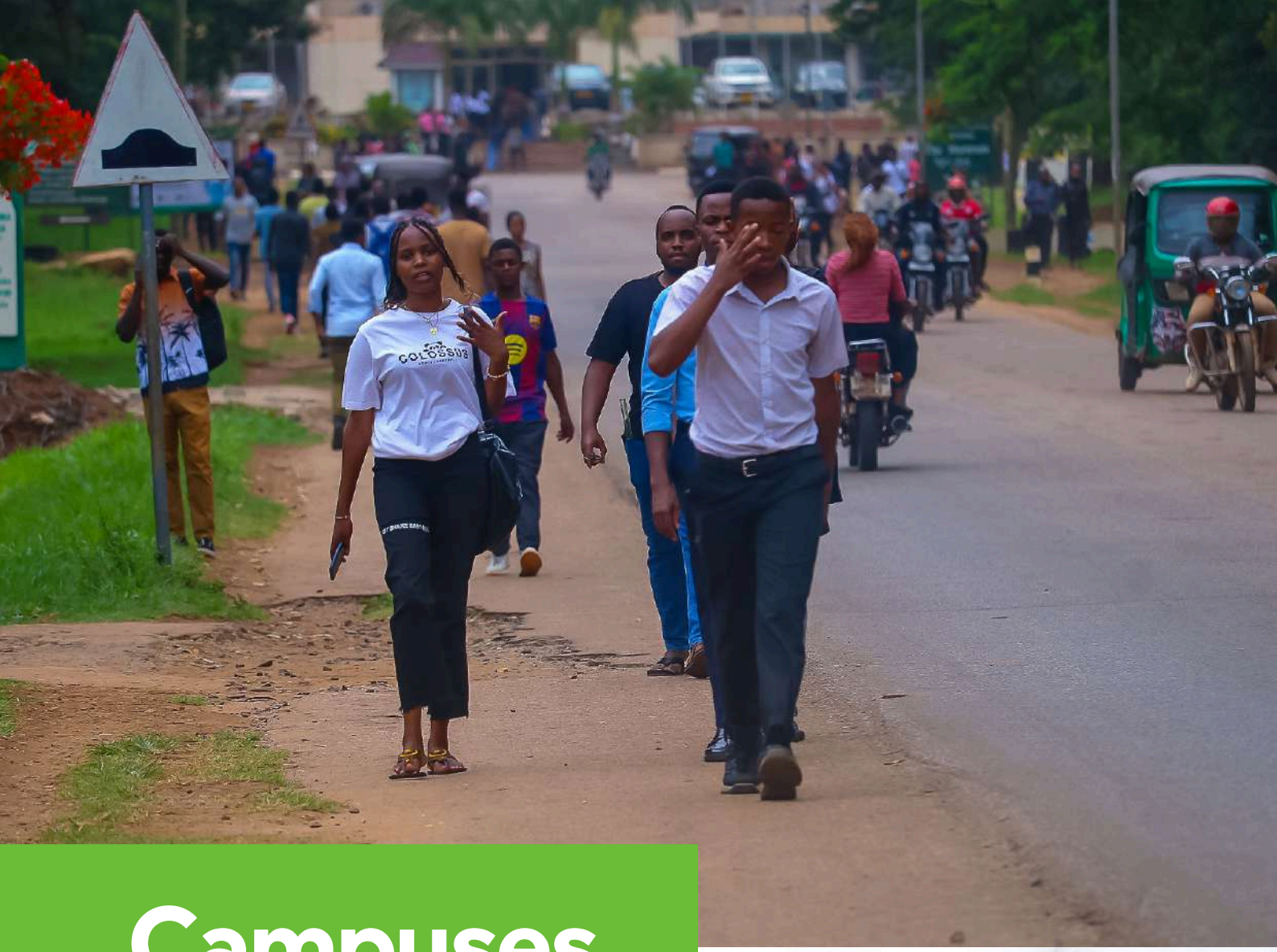
To be a leading University in the provision of quality knowledge, skills and innovations in agriculture and allied sciences

Our Mission

To undertake training, research in agriculture and allied sciences and deliver highly competitive outputs that contribute to national, regional and global socio-economic development.

Our Core Values

Effectiveness, Efficiency, Pursuit of excellence, Creativity and innovativeness, Equality and social justice, Integrity, Transparency and accountability.



Campuses

Sokoine University of Agriculture operates three campuses, structured to support its core mandates.

Three campuses are primarily dedicated to teaching and learning:

- **Edward Moringe Campus**, covering 2,376 hectares, and
- **Solomon Mahlangu Campus**, spanning 1,050 hectares, both situated in Morogoro; and
- **Mizengo Pinda Campus**, comprising 64 hectares in the Katavi Region.

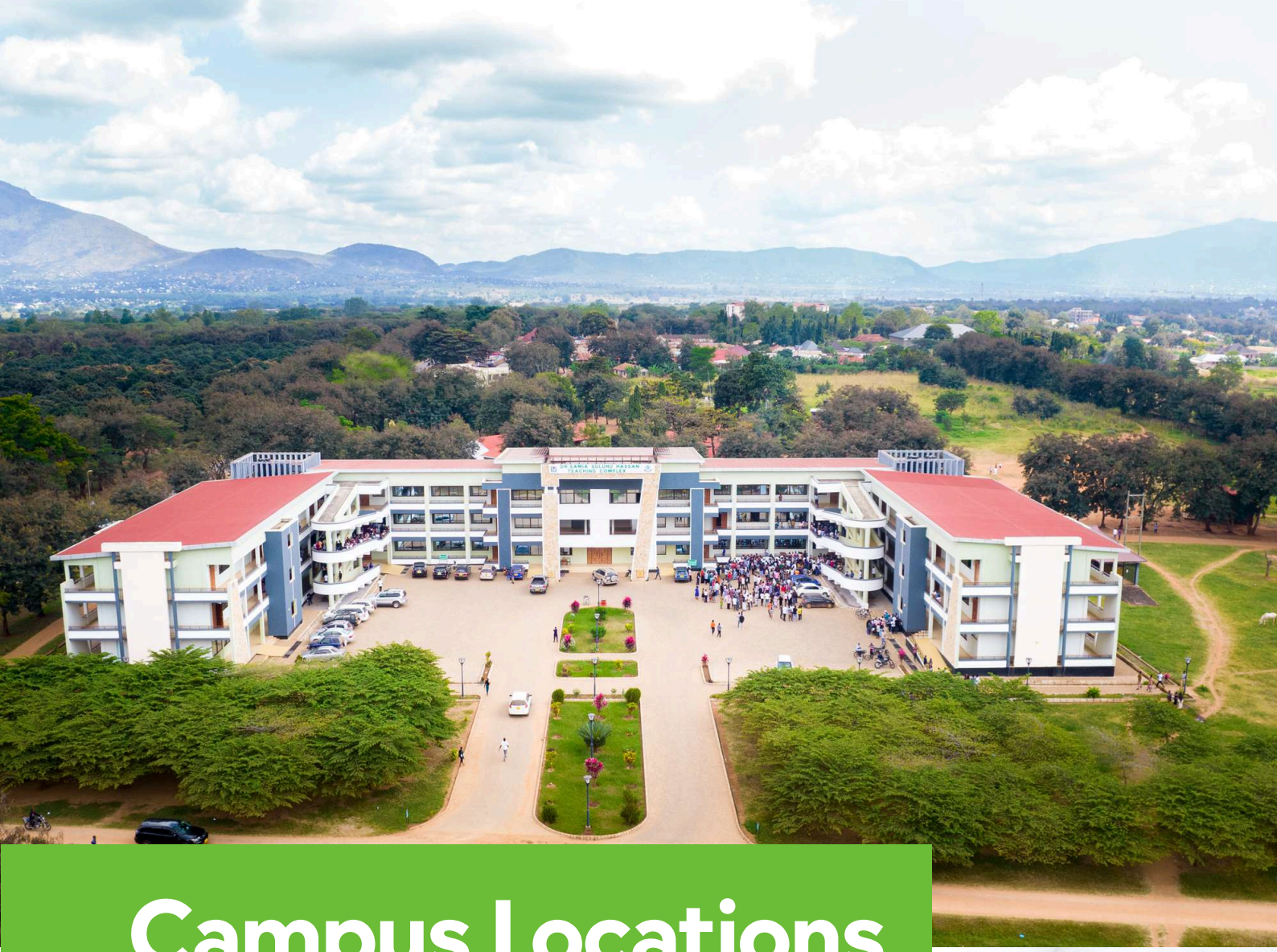
The University owns and manages five forests dedicated to forestry training and research. These are:

- **Olmotonyi Training Forest**, spanning 840 hectares in Arusha,
- **Mazumbai Forest Reserve,** covering 320 hectares in Tanga,
- **Tunduru Field Practical Center**, encompassing 509 hectares in Ruvuma.
- **Ifinga Forest Plantation** in Ruvuma,
- **Kitulang'halo Forest** in Morogoro.

Additionally, SUA maintains designated sites for students' field practice and outreach, which are:

- **Mbinga Outreach Center** in Ruvuma,
- **Nyandira Outreach Station** in Morogoro,
- **Morning Sight Toursim Spot** in Morogoro.

Mazumbai Forest Reserve



Campus Locations

Morogoro is located in the eastern part of Tanzania, 196 kilometres west of Dar es Salaam, the country's largest city and commercial Centre, and 260 kilometres east of Dodoma, the country's capital city.

Edward Moringe campus is located on the slopes of Uluguru Mountains in the Morogoro Region at an altitude ranging from 500 to 600 metres above sea level and receives an average annual rainfall of between 600 and 1000 mm. Solomon Mahlangu Campus (SMC) is located in the historic Mazimbu area of Morogoro.

The campus holds deep significance, having once hosted South African freedom fighters under the African National Congress (ANC) during the struggle against apartheid. This legacy makes SMC not only a centre of academic excellence but also a symbol of pan-African solidarity.

Morogoro Region is Tanzania's agricultural hub and national food basket. Surrounded by natural beauty, it offers a unique blend of cultural heritage, outdoor adventure, and traditional cuisine.

Visitors can enjoy hiking in the Uluguru Mountains, exploring Kinole Waterfall and the Morning Sight, as well as experiencing wildlife in Mikumi National Park, located just 118 km from Morogoro town. The park is home to lions, elephants, giraffes, and over 300 bird species.

The region is rich in biodiversity and boasts a welcoming atmosphere, making it an attractive destination for visitors. Health facilities are readily available to ensure a safe and enjoyable stay.

Mizengo Pinda Campus, located in Mpimbwe District Council, Mlele District, Katavi Region, serves as a hub for advancing agriculture, tourism, and beekeeping.

It offers various programmes, including the BSc in Bee Resource Management, Diploma in Crop Production and Management, and Diploma in Tourism and Wildlife Hunting. These programs combine both classroom instruction and practical training, preparing students for a wide range of career paths.

This campus leverages Katavi Region's strengths, especially its fertile agricultural land, thriving beekeeping industry in the Miombo woodlands, and the incredible biodiversity of Katavi National Park. Beekeeping in this area plays a crucial role, not only in producing honey and beeswax but also in supporting conservation and local livelihoods.

Similarly, Katavi National Park serves as a living classroom for students pursuing a Diploma in Tourism and Wildlife Hunting, exposing them to the dynamics of eco-tourism, wildlife conservation, and sustainable tourism practices.

With student housing, lecture facilities, and field research opportunities, the Mizengo Pinda Campus is a key contributor to education and sustainable development in Tanzania's western zone.

ACCESS TO SUA CAMPUSES

Access to SUA campuses is convenient through various options. For Morogoro Campuses, travellers can use the Standard Gauge Railway (SGR), which connects Dodoma and Dar es Salaam to Morogoro. Alternatively, buses are available, with the main terminal being the Msamvu Bus Terminal. For Katavi Campus, buses from Mpanda and Sumbawanga provide efficient connections to reach the campus.

Colleges and Schools

The University comprises seven colleges and two schools.

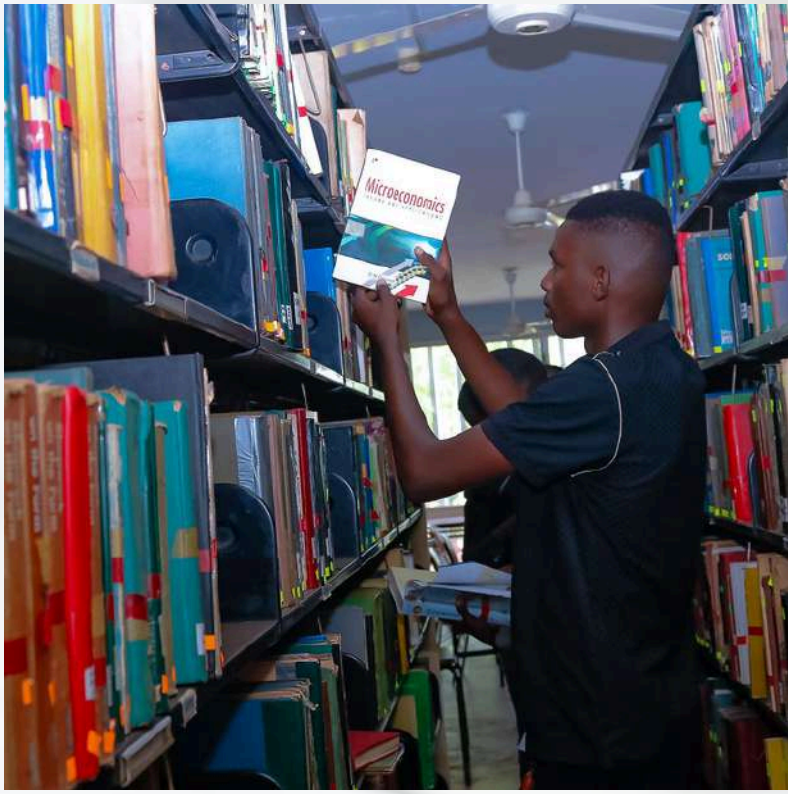
The Colleges are:

- The College of Agriculture,
- The College of Forestry, Wildlife and Tourism,
- The College of Veterinary Medicine and Biomedical Sciences,
- The College of Economics and Business Studies, and
- The College of Social Sciences and Humanities, all situated at Edward Moringe Campus;
- The College of Natural and Applied Sciences, located at Solomon Mahlangu Campus; and
- The Mizengo Pinda Campus College in Katavi region.

The schools are:

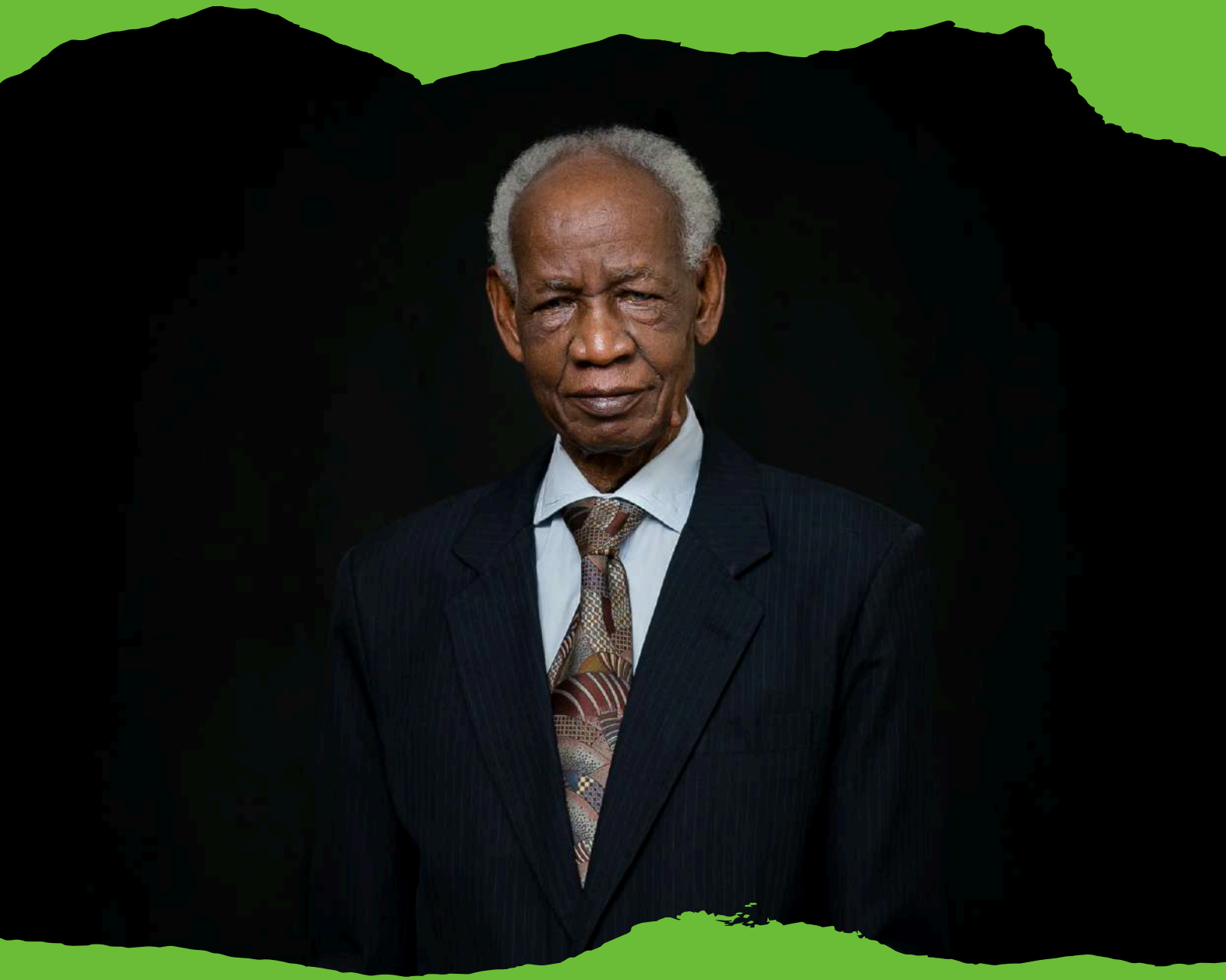
- **The School of Engineering and Technology** at Edward Moringe Campus and
- **The School of Education** at Solomon Mahlangu Campus.

These colleges and Schools offer various degree and non-degree programmes that lead to the award of PhD, Master's, Bachelor's degree, and Diploma qualifications.



LEADERSHIP

AND MANAGEMENT



Hon. Joseph S. Warioba

Hon. Judge (Rtd) Joseph S. Warioba
Chancellor

Mr. Andrew W. Massawe
Council Chairman

Ms. Dorothy Mwanyika
Council Vice Chairperson

Prof. Raphael T. Chibunda
Vice - Chancellor

Prof. Maulid W. Mwatawala

Deputy Vice - Chancellor
(Academic, Research and
Consultancy)

Prof. Amandus P. Muhairwa

Deputy Vice - Chancellor
(Planning, Finance and
Administration)

BECOMING A SUA STUDENT

Prof. Maulid W. Mwatawala

Message from

The Deputy Vice Chancellor (Academic, Research and Consultancy)

I am delighted to welcome you to Sokoine University of Agriculture (SUA), one of the leading institutions in Tanzania offering bachelor's and postgraduate degrees, as well as non-degree training in various fields, including agriculture, forestry and nature conservation, veterinary medicine, animal science, environmental sciences, economics, agribusiness, entrepreneurship, education (science subjects), social sciences, and other related sciences.

At SUA, we are committed to providing a strong foundation in practical, scientific, and innovative knowledge and to equipping our students with the necessary skills to drive the economic development of Tanzania and beyond.

Our programmes are designed to meet the evolving needs of agriculture and allied sectors, ensuring that our graduates are well-prepared to contribute to sustainable economic growth.

The University has recently undertaken a comprehensive curriculum review to ensure that our academic programmes remain current and aligned with industry needs, fostering the development of critical, innovative, and practical skills among our students.

SUA continues to strengthen its infrastructure, including model teaching farms, state-of-the-art laboratories, workshops, and incubation centres.

These developments are integral to providing students with practical, hands-on experience in their fields of study.

Research, training, consultancy, and outreach are central to SUA's mission. Many of our academic staff are engaged in cutting-edge research with various partners. The outcomes of this research are shared with the community through outreach and extension activities, enriching the lives of the people we serve and enhancing the knowledge base of our students.

Currently, SUA boasts a dedicated team of about 600 academic staff, including professors, senior lecturers, and assistants, as well as 150 technical staff across various support roles. These professionals are committed to delivering high-quality education and research, fostering a vibrant academic environment for our students.

This prospectus provides valuable insights into the diverse programs and opportunities available at SUA.

We are excited about the future and warmly welcome you to be part of this transformative journey at Sokoine University of Agriculture.

Prof. Maulid W. Mwatawala
Deputy Vice-Chancellor (Academic, Research, and Consultancy)

STUDENT SERVICES

Prof. Amandus P. Muhairwa

Message from

The Deputy Vice Chancellor (Planning, Finance and Administration)

A warm welcome to all of you who aspire to study at Sokoine University of Agriculture (SUA).

The Office of the Deputy Vice-Chancellor (Planning, Finance, and Administration) is one of the key offices established under the SUA Charter of 2007.

This office is responsible for overseeing the Planning, Finance, and Administration activities of the University.

The office of the Deputy Vice-Chancellor (PFA) comprises seven directorates: the Directorate of Planning and Development (DPD), the Directorate of Finance (DF), the Directorate of Human Resources and Administration (DHRA), the Directorate of Estates and Works (DEW), the Directorate of Hospital and Health Services (DHHS), the Directorate of Student Services (DSS), and the Directorate of Communication and Information Technology (DCIT).

The Directorate of Planning and Development is responsible for developing the University's Strategic Plan in line with its mission and vision. This Directorate is also in charge of the preparation and supervision of University development projects.

In line with this, we are excited to share that the University, under the Higher Education for Economic Transformation (HEET) project, is implementing significant improvements.

These include the construction of new lecture halls, laboratories, and student accommodation facilities, as well as the renovation of existing infrastructure. These improvements aim to enhance the teaching, learning and living environment, ensuring that our facilities meet the highest intellectual standards.

The Department of Human Resources and Administration Services is responsible for attracting, recruiting, and placing highly qualified and competent teaching and non-teaching staff to ensure the smooth operation of the University.

The Department of Estates and Works plays a crucial role in maintaining the University's facilities, ensuring that students have access to quality learning environments. This includes managing the upkeep of lecture theatres, hostels, laboratories, workshops, the library building, and other key resources that facilitate academic training.

In addition, the office coordinates the University Farm Department, the Department of Security Services, the Department of Sports and Games, the Gender Unit, and the Housing and Accommodation Bureau.

We invite students and other stakeholders to explore and discover the facilities and services that SUA has to offer through this prospectus. Please, take advantage of the available services and facilities and I wish you all a successful and fruitful stay at SUA.

Prof. Amandus P. Muhairwa
Deputy Vice-Chancellor (Planning, Finance and Administration)


Wood preservation

TEACHING AND LEARNING

FACILITIES

Sokoine University of Agriculture is committed to creating a vibrant and supportive academic environment, featuring modern facilities, state-of-the-art laboratories, extensive libraries, and advanced ICT infrastructure.

Recent efforts have focused on substantial upgrades to teaching spaces, ensuring that they meet world-class standards. The incorporation of advanced technology and innovative tools has created an engaging and interactive learning atmosphere to support academic pursuits.

Library Services

The Sokoine National Agricultural Library (SNAL), established by the Act of Parliament No. 21 of 1991, operates at the Edward Moringe, Solomon Mahlangu, and Mizengo Pinda campuses of the University.

It is the largest specialised agricultural library in Tanzania, serving both the University community and the wider agricultural sector by providing access to a rich collection of knowledge resources.

SNAL supports teaching, learning, and research through a wide range of books, journals, periodicals, and reference materials available in both print and electronic formats.

Library services are accessible to students and staff of the University, as well as to researchers and scholars involved in approved academic and development projects.

The Library also welcomes external researchers from government and non-governmental institutions, as well as scholars from around the world engaged in agricultural and related research in Tanzania.


UFUGAJI WA SAMAKI
ILCA BULLETIN
No. 24 - March 1986
Feed Table

ICT Services

The Directorate of Information and Communication Technology (DICT) provides comprehensive ICT services to support academic, research, and administrative activities across the University.

These services include reliable campus-wide internet connectivity, institutional email services, well-equipped computer laboratories, and routine technical support for staff and students.

DICT also manages key digital systems and platforms that support the University's core functions in teaching, research, consultancy, library services, and administration, ensuring efficient communication, data management, and access to academic resources.

The University has embraced modern learning technologies through the adoption of e-learning platforms such as Moodle, which support blended and online learning. These platforms enable flexible access to course materials, online assessments, and interaction between students and instructors.

Through continuous improvement of ICT infrastructure, digital services, and user support, SUA remains committed to integrating technology into education, enhancing learning engagement, and supporting a modern and effective academic environment for both students and staff.

State-of-the-art Laboratories

SUA has continually enhanced its laboratories across its campuses to support teaching, research, and consultancy activities, ranging from basic science laboratories to advanced facilities capable of addressing complex scientific areas such as genomics and related biotechnologies.

The recent establishment of the Dr. Samia Suluhu Hassan Teaching Complex at the Edward Moringe Campus features eight state-of-the-art laboratories equipped with modern facilities and supported by qualified staff, significantly strengthening the University's capacity to deliver cutting-edge education and research.

In addition, the Science Laboratory at the Solomon Mahlangu Campus provides further support by offering high-quality resources for scientific education and innovation.

Beyond these examples, SUA hosts numerous specialised laboratories within its academic departments, all dedicated to teaching, research, and applied problem-solving across diverse disciplines.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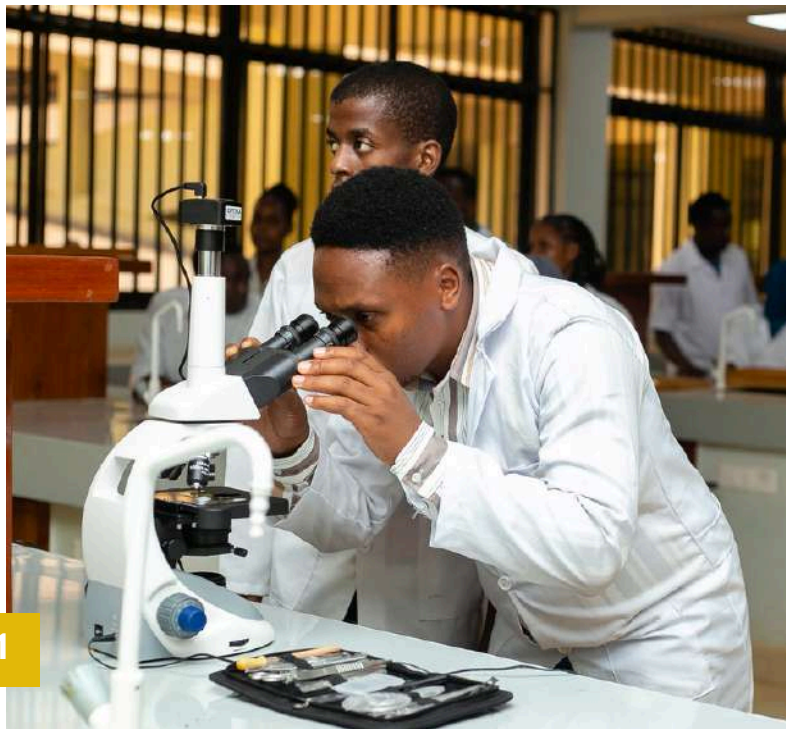


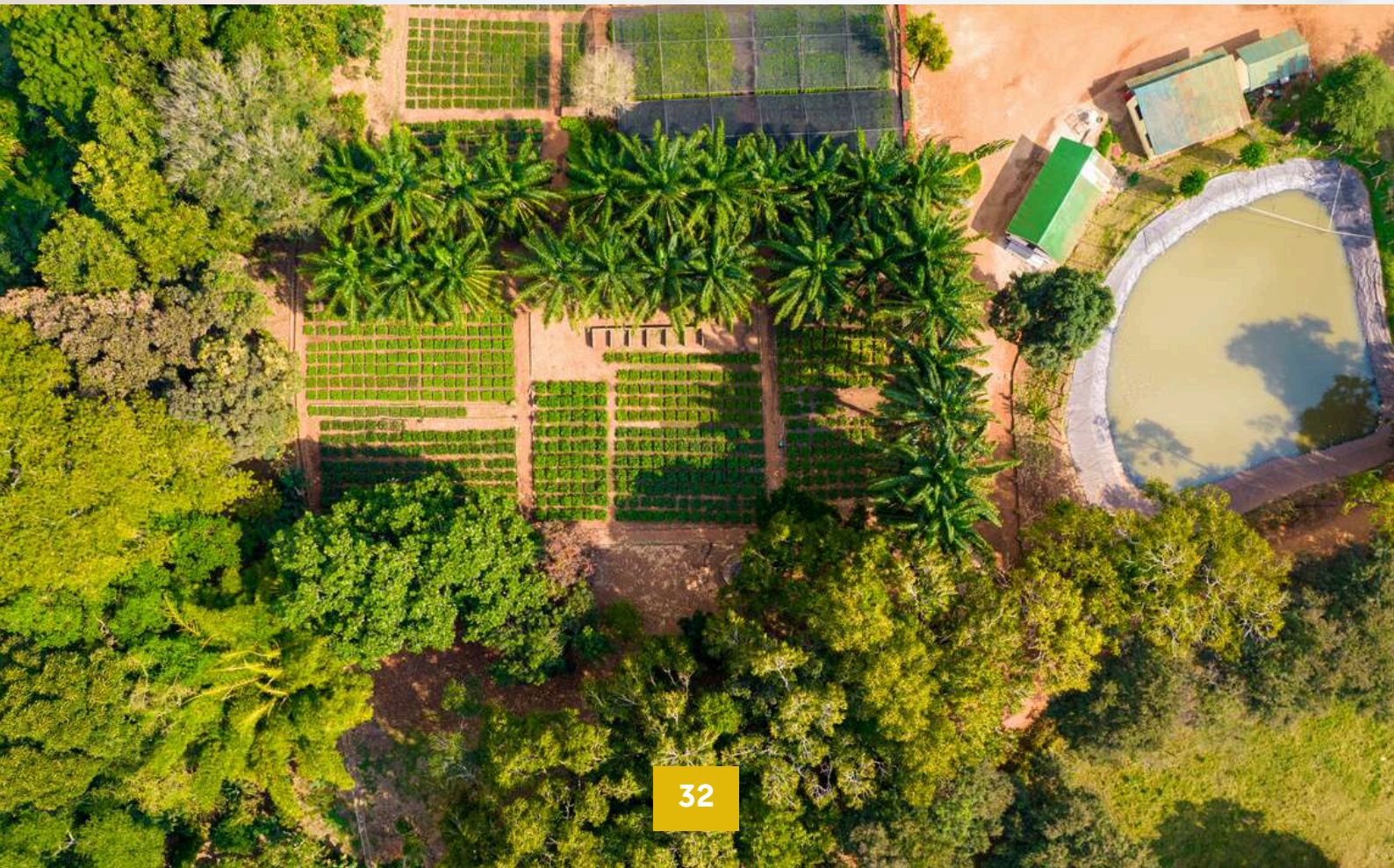
Training Farms

The SUA Model Training Farm serves as a main practical hub for agricultural education and research.

It provides hands-on training in crop production, animal husbandry, aquaculture, and horticulture to undergraduate and postgraduate students.

The farm also supports training in fish farming, contributing to development of skills relevant to Tanzania and the region.

Through Field Practical Training program students acquire real-life skills that enhance employability and professional competence.




PASTURE
MANAGEMENT UNIT
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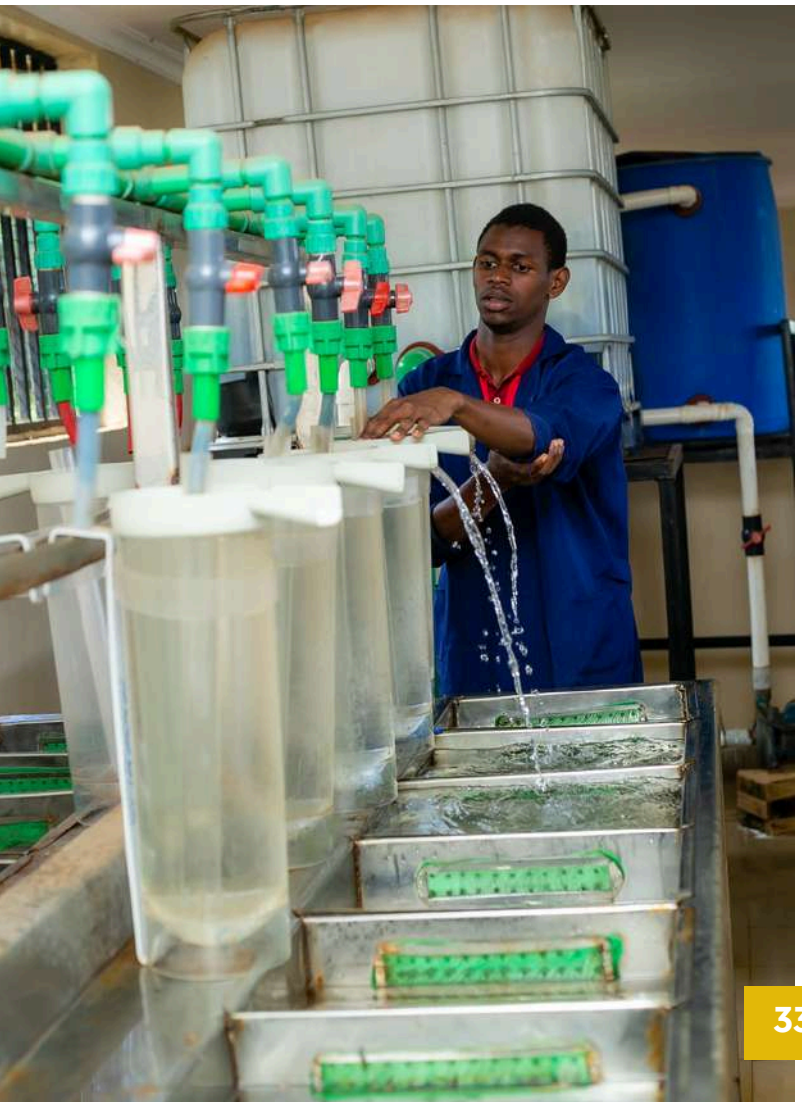


Textile and Leather

Studio

The Textile and Leather Studio is a practical training and production facility that supports the Bachelor of Science in Textile and Fashion and the Bachelor of Textile and Clothing with Education programmes.

The Studio equips students with practical skills in garment production, textile design, and leatherwork, while also supporting creativity, innovation, and entrepreneurial development. Production activities include graduation gowns, footwear, handbags, belts, laboratory coats, and customised garments.

Engineering Workshops

The University operates Engineering Workshops that support teaching, research, and innovation in agricultural and engineering technologies.

The Workshops provides hands-on training in areas such as agricultural engineering, irrigation, water resources, bio-processing, and post-harvest technologies.

Facilities include specialised units for metal fabrication, machinery maintenance, engineering design, building materials testing, and hydraulics.

Mini teaching

Factories

The University has established Mini-Teaching Factories to enhance experiential learning in areas such as **milk pasteurisation**, **bread making**, **forest product processing**, **furniture making**, **juice production**, and **water processing**.

A notable example is **the Vuyisile Mini Furniture Factory,** which serves as a showcase facility for hands-on training in wood processing, design, and furniture production.

These facilities provide students with practical exposure to food technology, wood technology, engineering processes, and quality control, effectively bridging the gap between theoretical knowledge and practical application.

Motor Vehicle Drivers and Agricultural Machine

Driving School

The School offers short courses aimed at producing **drivers** and **Agricultural machinery operators** with basic knowledge and practical skills in operating and maintaining agricultural machinery for effective agricultural mechanisation.

Graduate Incubation Centres

SUA has established incubation centres to empower young graduates in launching and growing businesses within the agricultural sector.

These centres provide essential support, including access to capital, technology, and resources, which fosters entrepreneurship and sustainable agricultural projects.

Olmotonyi

Training Forest - Arusha

The University Training Forest is situated on the foothills of Mt. Meru in Arusha Region, at a longitude of 30°17'S and a latitude of 36°42'E.

The forest is accessible from the administrative centre by a seven-kilometre all-weather road that passes through village land, starting from the station, which is located fifteen kilometres north of Arusha City. The forest shares borders with two villages to the south, Arusha National Park to the north and Meru Forest Plantation to the east and west.

It is worth noting that Arusha is the hub of the northern tourist circuit, from which one can easily access the famous National Parks of Arusha, Manyara, Tarangire, Serengeti, and the Ngorongoro Conservation Area.

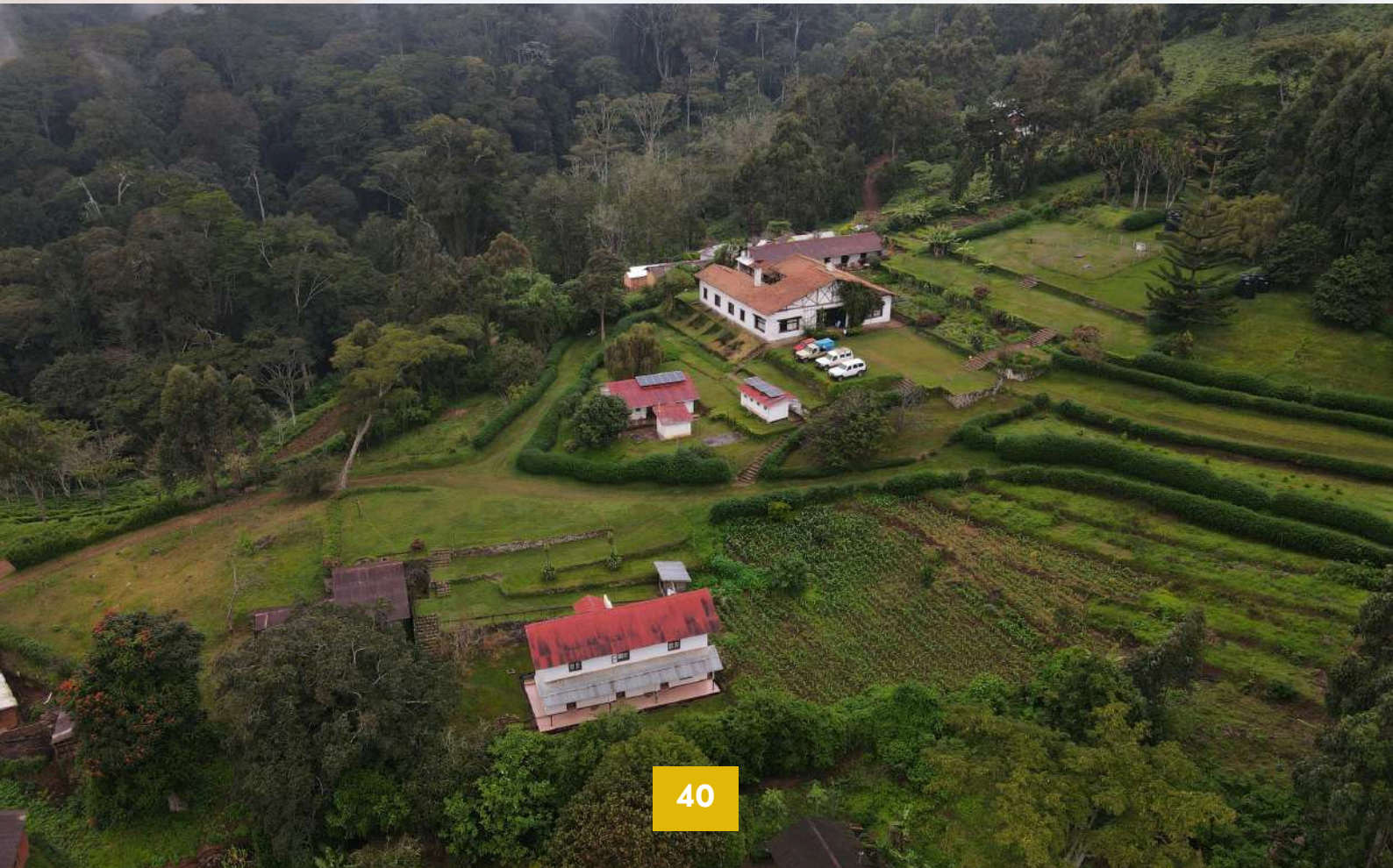
Mazumbai

Forest Reserve - Lushoto

Mazumbai Forest Reserve is a 320 ha of montane evergreen rainforest, stretching from 1300 to 1900 meters above sea level, located in Lushoto District in the West Usambara Mountains, between latitudes 4°50'S and longitudes 38°30'E.

The forest reserve is one of the best examples of pristine rainforest of this type remaining in East Africa.

The forest not only serves as a sanctuary for rare and endemic plant and animal species in the Usambara Mountains, but it also provides water catchment properties essential for sustaining the livelihoods of the surrounding communities.



Mizengo Pinda Campus

Bee Farm

The Mizengo Pinda Campus Bee Farm is situated in Vilolo-Kibaoni Ward, Mpimbwe District, Katavi Region, approximately 8 km from the campus.

The bee farm is in a potential area for beekeeping practices. This is due to various factors, including the local weather conditions, the availability of potential food sources, diverse bee food plants, and the specific bee species.

The bee farm has five different types of apiaries: the tree apiary, the stand apiary, and the bee cage apiary.

The bee farm is used for practical sessions, research, and the production of bee products, including honey, beeswax, pollen, royal jelly, bee venom, and pollination services.

The Mizengo Pinda Campus bee farm is one of the best places for learning and gaining skills and knowledge in the field of bee resources.

Students are nurtured and shaped from the ground up to become Bee Resources Managers and experts, equipped with the necessary technical, analytical, managerial, and entrepreneurial skills in Bee Resources Management for the sustainable development of the nation and the world.

Ifinga Forest Plantation

Ifinga Forest Plantation in Madaba, Ruvuma Region, is a 10,000-hectare training forest owned by the University.

It supports sustainable forestry, student training, and environmental conservation, with over 1,500 hectares already planted.

The plantation not only enhances practical learning for students but also contributes to environmental conservation.

Morning Sight

Training and Recreation Center

Morning Sight (also called Morning Side) is a dedicated space for training and recreation, managed by the Department of Tourism and Recreation.

The department offers specialised training in leisure, recreation, and tourism management, addressing the growing demand for skilled professionals in these fields.

It provides an environment for practical learning, research, and outdoor activities, making it an ideal location for students and professionals seeking hands-on experience in tourism and recreation.

Agro-mechanisation Unit

In ensuring that students learn through practice, SUA has a variety of modern equipment, Including major equipment such as tractors, trailers, boom sprayers, and a borehole drilling machine, as well as implements and accessories such as caterpillars, disc ploughs, mouldboard ploughs, disc harrows, disc ridgers, rippers, subsoilers, cultivators, planters, seed drills, and shellers

SUA Animal Referral Hospital

SUA Animal Referral Hospital is Tanzania's only veterinary referral hospital.

Operating under the College of Veterinary Medicine and Biomedical Sciences, it supports livestock and wildlife sectors nationwide by addressing diverse animal health challenges.

It provides comprehensive services, including routine treatment, surgery, vaccinations, advisory support, and intensive care for animals requiring specialized attention.

The hospital also serves as a teaching facility for SUA veterinary students.

YOUR LIFE ON CAMPUS

Starting your first year at SUA is an exciting journey filled with new experiences and opportunities, from adjusting to campus life and meeting new friends to managing your time effectively.

SUA provides a supportive environment to help students transition smoothly.

Whether it is academic guidance, student services, recreational spaces, student clubs, or mentorship programs, the university ensures that students have the necessary resources they need to succeed.

Housing and Accommodation

The University Housing and Accommodation Bureau (SUAHAB) offers accommodation services to students in hostels available on all campuses.

We have student hostels at the Edward Moringe Campus:

- **Hostel 1 to Hostel 12**) and
- **Nicholas Kuhanga hotels**, located just outside the main gate of the Edward Moringe campus, as well as
- **Solomon Mahlangu campus Units** (1 to Unit 6).
- We also have accommodation facilities at Mizengo Pinda Campus.

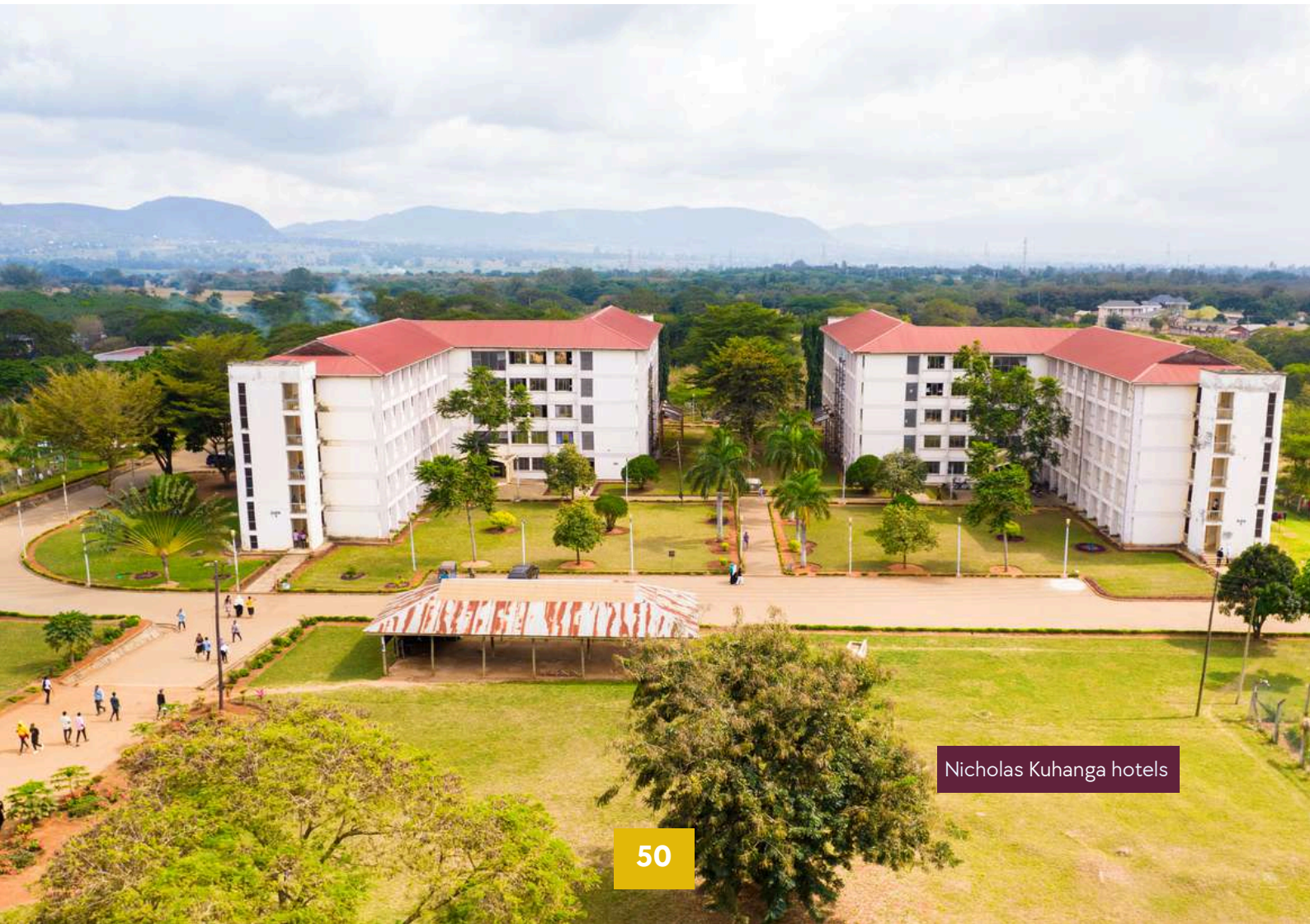
New hostels are being constructed at Solomon Mahlangu Campus and Mizengo Pinda Campus.

Students are either accommodated in the Hostels or find accommodation outside the campus.

Off-campus students are accommodated in leased or private accommodation facilities close to SUA.

Students accommodated in hostels are required to pay accommodation fees at authorised rate.

Hostel 1 to Hostel 12



Nicholas Kuhanga hotels

Financial and Postal Services

The Directorate of Finance at Sokoine University of Agriculture is responsible for managing all financial operations of the university. It advises university management on financial matters and oversees the disbursement of student loans and sponsorship funds, including those from the Higher Education Students' Loans Board (HELSB).

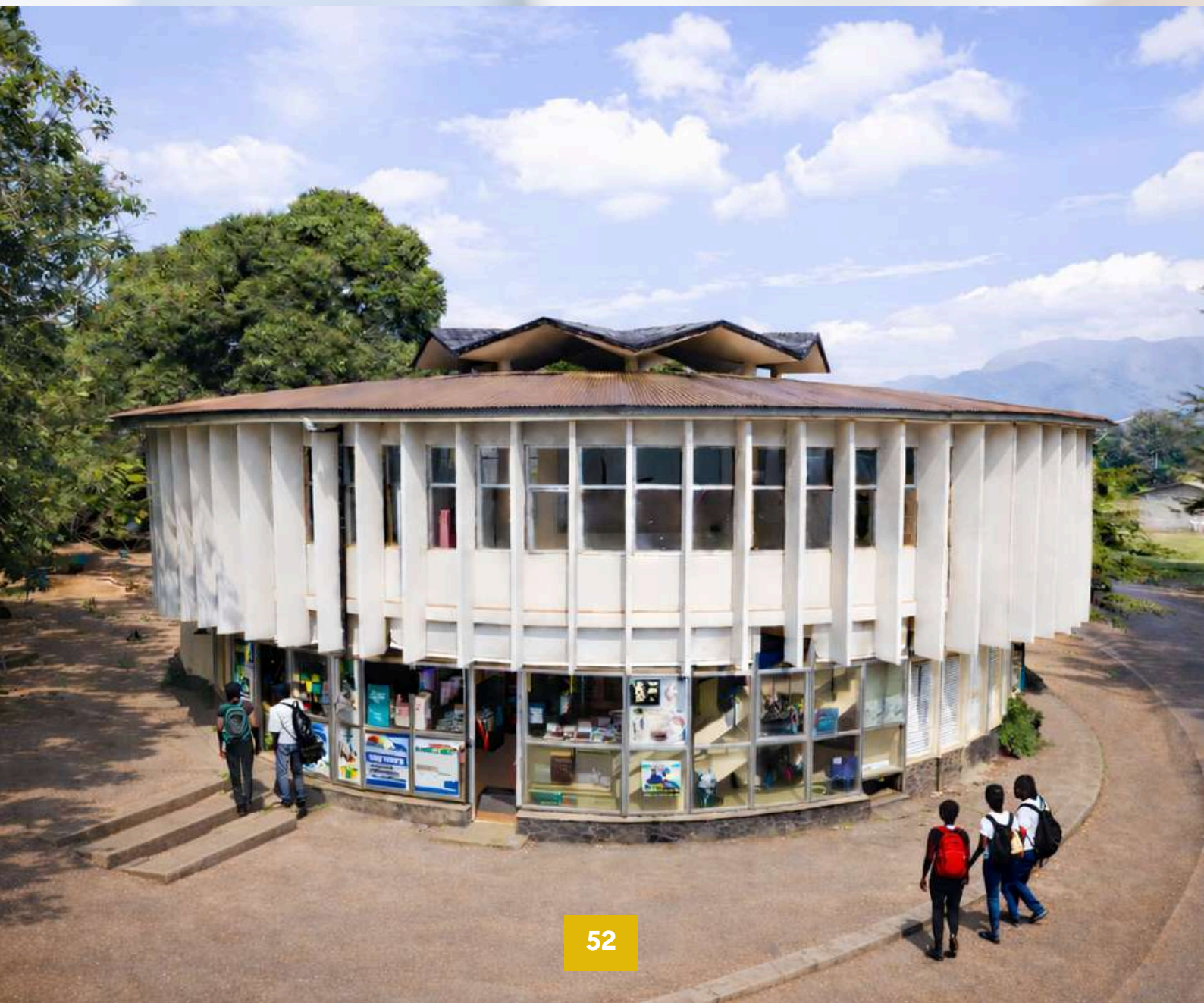
The Directorate handles all payment and transaction processes across the institution.

To support financial access for students and staff, the campuses are equipped with essential services, including a postal office, commercial banks (CRDB, NMB, NBC), and mobile network operators that offer financial and communication services.

Catering Services

On university campuses, there are restaurants and cafeterias where students can enjoy a range of traditional and international foods and beverages.

Additionally, around the cafeteria premises, you will find an attractive and serene environment ideal for relaxation.



Transport Services

SUA provides buses for students to travel between campuses for academic purposes, during academic tours, or for any other related activities.

There are also transport arrangements for new students joining the Sokoine University of Agriculture (SUA).

The university offers transportation services for new students arriving at Msamvu Bus Terminal and Jakaya Kikwete SGR Station, ensuring easy access to the university campuses.

Students can conveniently commute between campus and town and back using readily available public transportation, including daladala, Bajaji, bodaboda, and taxis.

Shopping and Stationery

Shopping services are available at the shopping points on the Campuses. These include several shops, such as mini supermarkets and general stores.

Stationery shops around the Campuses offer a range of services to students and staff, including **photocopying**, **printing**, **scanning**, **binding**, **stationery**, and and related services.

Medical and Health Services

The University attaches great importance to the health of students, staff, staff families and the neighbouring community.

In achieving this, the University has the Directorate of Hospital and Health Services, which coordinates the two University hospitals, one located at Edward Moringe Campus and another at Solomon Mahlangu Campus. Additionally, there is a Health Centre at Mizengo Pinda Campus and a Health Post at Olmotonyi Campus, both of which offer first aid.

The hospital operates throughout the week, offering 24-hour services for outpatients, inpatients, emergency cases, and intensive care, manned by specialists, general practitioners, and graduate nurses. It also offers specialised clinics in internal medicine and cardiology, clinical imaging and radiology, dental care, obstetrics and gynaecology (including maternity facilities), as well as paediatrics and child health.

Students at SUA are required to have valid medical insurance, granting them access to medical services at the university hospital.

The hospital is accredited by several insurance providers, including NHIF, Strategis, Medex, Jubilee Health Insurance, and Resolution.

Before registration, all students are required to undergo a mandatory medical examination at the SUA Hospital.


SOKOINE UNIVERSITY OF AGRICULTURE
1984
ARDHI NI HAZINA
HOSPITALI YA
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CHA KILIMO
KAMPASI KUU
S.L.P 3027
MOROGORO


SOKOINE UNIVERSITY OF AGRICULTURE
NON COMMUNICABLE DISEASES
AWARENESS CAMPAIGN
HYPERTENSION PREVENTION
Measure Your Blood Pressure
Accurately Control it,
Live Longer
If hypertension is untreated, it can
cause death or serious health
consequences
HEART ATTACK
STROKE
DEMENTIA
KIDNEY FAILURE
VISION LOSS

Sports, Games and Recreation

All sports and games facilities are coordinated by the Department of Sports and Games.

The sports grounds are available for various sports and games, including football, netball, volleyball, basketball, tennis, cricket and athletics. The University also has an open field with basic gym equipment.

These sports facilities are designed to create a conducive social environment for students and staff.

All students and staff are encouraged to participate in various sports and recreational activities to develop their talents and enhance their physical fitness.

The university also supports students' participation in inter-institutional games, provided resources are available.

Through the Corporate Strategic Plan, SUA intends to enhance the standards of its facilities and associated services to meet the increasing demands and importance.

South of the Main Campus, a track ascends the Uluguru Mountains, offering an excellent view and scenery of Morogoro Municipality and the surrounding villages. Joggers find the track quite interesting for sports events.

Security and Safety

SUA has an Auxiliary Police Department located on the Edward Moringe campus, with sub-offices at Solomon Mahlangu, Mizengo Pinda, Mazumbai, and Olmotonyi campuses.

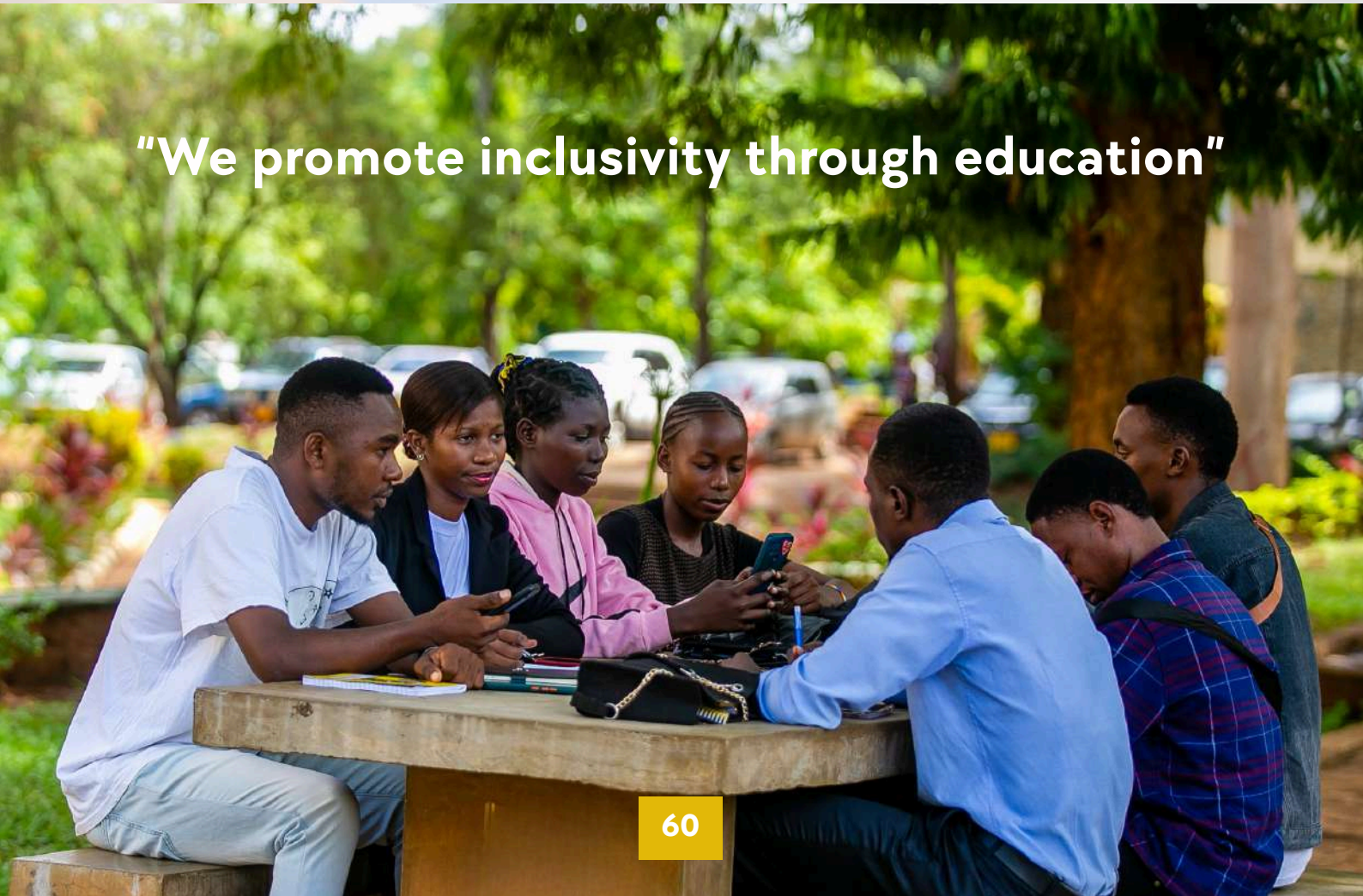
This department, in collaboration with the Tanzania Police Force, which also has an office at the Edward Moringe campus, is responsible for maintaining peace, order, and the safety of people and property.

Religious Affairs

SUA is a non-religious institution; nevertheless, it has provided land and facilities to allow students and staff to participate in various religious activities.

Amenities and services are available to Christian and Muslim staff, students, and members of the surrounding communities across all campuses.

There are Chaplains for Catholics, Protestants, Seventh-day Adventists, Assemblies of God, and Pentecostals, as well as an Imam for the Islamic religion.



GETTING CONNECTED

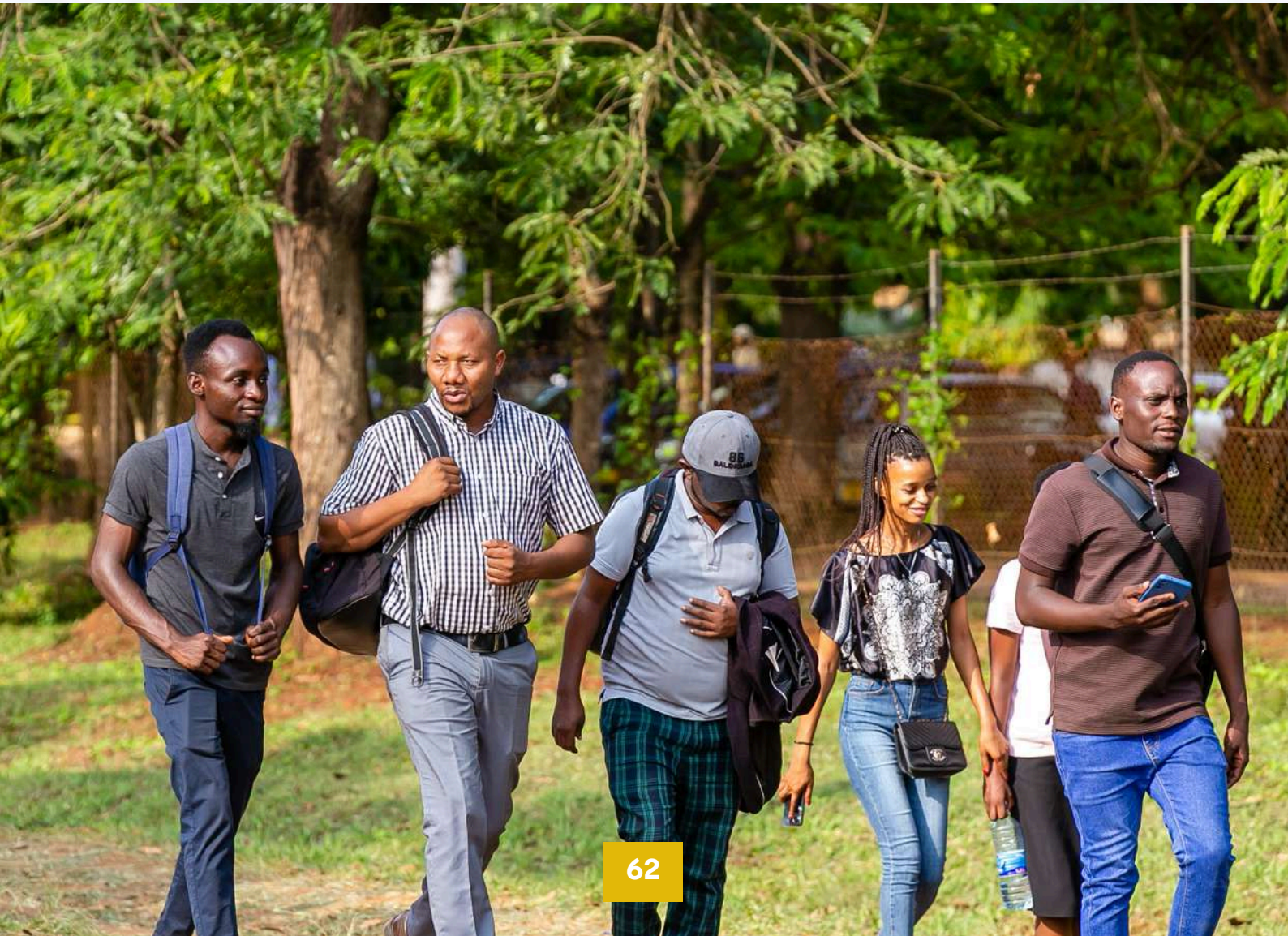
Ms. Hilda Gamuya

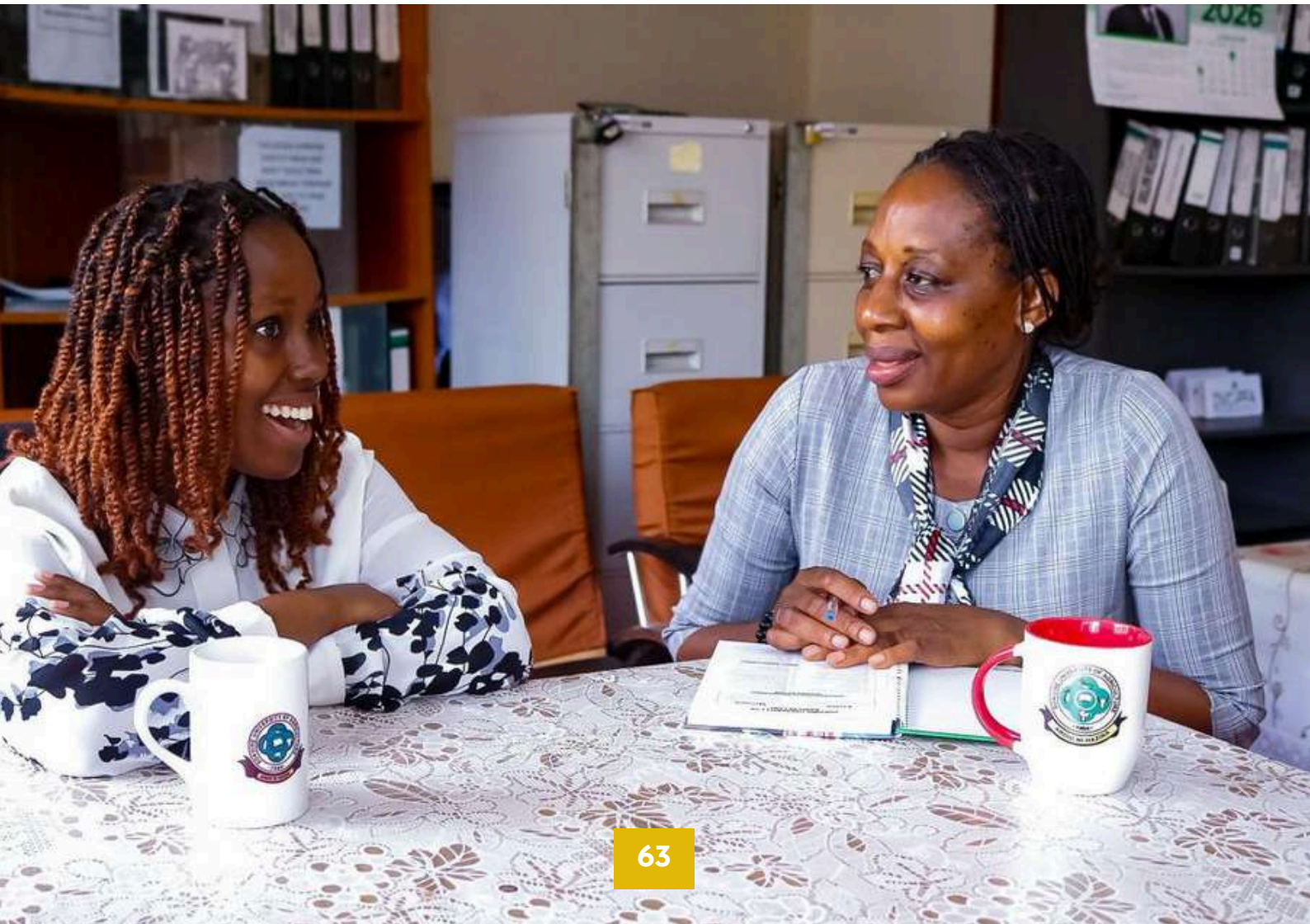
Director of Student Services

Directorate of Student Services

The Directorate of Student Services plays a vital role in integrating academic life with students' personal and professional development.

By fostering strong connections among students, faculty, and staff, the Office helps create a supportive university environment that promotes academic success and enriches the overall student experience beyond the classroom.





Counselling, Mentorship and Academic Advisory

SUA offers counselling and mentorship services that enable students to receive guidance from the Office of the Dean of Students on a wide range of matters, including social, economic, political, and academic issues.

In addition, the University has institutionalised guidance and counselling through an academic advising system, whereby each student is assigned an academic advisor who provides support on academic progress, career development, and social wellbeing.

Student Governance

The Sokoine University of Agriculture Students Organisation (SUASO) is the official student union representing all students at SUA, both local and international.

SUASO oversees academic, social, political, and recreational activities, promotes leadership and inclusivity, and ensures student welfare by serving as a liaison between students and University management. The Organisation supports a multicultural environment and fosters engagement among students from diverse backgrounds.

The University also hosts professional student associations, such as the Tanzania Agribusiness and Economics Students Association (TAGRESA), Tanzania Agricultural Investment and Finance Students Association (TAIFSA), Tanzania Agronomy Society (TAS), the Tanzania Veterinary Students Association (TVSA), the Forest Students Association (FSA), the Rural Development Volunteer Association (RDVA), and the International Students Association of Sokoine University of Agriculture (ISASUA), which offer discipline-based networking, leadership development, and skills development opportunities.

International students are further supported through the International Students' Association of Sokoine University of Agriculture (ISASUA), while religious and social groups offer additional avenues for personal, social, and spiritual growth.


2025
SOKOINE UNIVERSITY OF AGRICULTURE
ACADEMIC ACHIEVEMENT
AWARD
Paschazia Jeremia Kamugisha


SOKOINE UNIVERSITY OF AGRICULTURE
ACADEMIC ACHIEVEMENT
AWARD

INTERNATIONAL STUDENTS

Studying at SUA

SUA warmly welcomes international students to its undergraduate and postgraduate programmes.

Studying at SUA offers an enriching experience, enabling students to explore Tanzanian culture, appreciate the country's natural beauty, and build valuable global connections while pursuing their academic qualifications.

The University promotes diversity and international collaboration, creating a vibrant learning environment for students from varied backgrounds from all over the world.

International Student Association

The International Students Association of Sokoine University of Agriculture (ISASUA) serves as the official representative body for international students within the Sokoine University of Agriculture Students' Organisation (SUASO).

ISASUA works closely with University officials and relevant agencies to address students' academic, social, and welfare needs.

Membership is open to all international students enrolled at SUA for undergraduate, postgraduate, or research studies.

The Association fosters a strong sense of belonging by providing a platform for students to connect, share experiences, and participate in activities that enhance their overall stay at SUA.

INTERNATIONALISATION, ALUMNI AND CONVOCATION

Connecting the World: Internationalisation, Alumni and Convocation

SUA boasts a strong global alumni network, with its graduates holding leadership positions across a wide range of sectors worldwide.

The University actively promotes international collaborations, research partnerships, and academic exchanges, further strengthening its global presence and reputation.

Through the **Alumni platform** and the **SUA Convocation**, graduates are provided with formal avenues to remain connected to the University, expand their professional and social networks, contribute to institutional development, and support current and future generations of students.

STUDENT *Testimonials*

"Gratitude for an inclusive and inspiring academic journey"

"There is supportive instructors and learning environment"

"Joining SUA changed my life."

Elias Nelly BAPFAKURERA

PhD Graduate (2024), from Rwanda

I was funded by the REFOREST program which offered crucial financial assistance, technical guidance, mentorship, and access to a vibrant network of forestry researchers, for which I am deeply grateful, as it significantly empowered my work and broadened my perspective on forest landscape restoration.

A highlight of my doctoral studies was the extensive fieldwork across various Tanzanian forest regions, which offered invaluable, practical insights into forest ecosystems, biodiversity dynamics, and community-based forest governance, effectively bridging theoretical knowledge with real-world application through direct engagement with local stakeholders.

Beyond academics, SUA's supportive management and the invaluable collaboration with my peers fostered a culture of professionalism and enriched my personal growth.

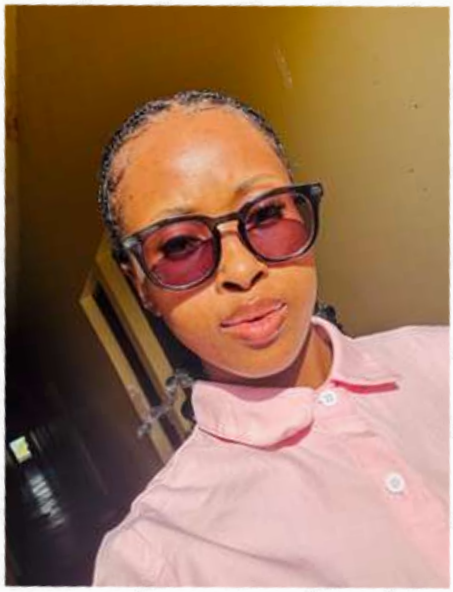
My PhD experience at SUA was a period of both scholarly achievement and significant personal development, thoroughly preparing me to contribute meaningfully to sustainable development, forest conservation, and academic mentorship in Africa and beyond.

Seleka Michael MOTSOMI

4th Year Student (2026),
Bachelor of Veterinary Medicine,
from Kingdom of Lesotho.
Minister of Postgraduate & Foreign Affairs SUASO 2025/2026.

The university's emphasis on a strong work ethic and academic discipline consistently pushes every student to strive for excellence, a principle I've deeply internalized.

A significant highlight was my growth as a leader, serving as the Minister of Postgraduate & Foreign Affairs in the Students' Association, a role that perfectly showcases SUA's inclusive environment.



Sithembile Siphosethu DUBE

3rd Year Student (2026),
BSc in Irrigation and Water Resource Engineering,
from Kingdom of Eswatini.

As an international student, I was initially uncertain of a new academic environment and culture. However, from the first day I was warmly welcomed by both the staff and fellow students which made my settling easier.

The cultural exchange has been another highlight of my journey from learning swahili, exploring Tanzania and its traditions to making lifelong friendships.

Nduwarugira ERIC

4th Year PhD Student (2025),
Department of Crop Science and Horticulture,
from Burundi.

The skills and knowledge I gained at SUA significantly contributed to my professional performance, ultimately leading to the award of a PhD scholarship from the International Center for Tropical Agriculture (CIAT) which I am now pursuing at SUA.

Dieumerci Londjiringa DRAMANI

2nd Year Student (2026),
MSc. Crop Science ,
from the Democratic Republic of Congo.

The instructors provided direct assistance to ensure I grasped the course material, and my classmates consistently offered their support during group discussions, even choosing me as their class representative – a gesture of inclusion that made me feel truly at home.

Ashura Shabani ATHUMANI

3rd Year Student (2025)
BSc. Crop Production and Management,
From Tanzania.

The lecturers were open-minded, friendly, and deeply committed to teaching, turning every class and discussion into an opportunity to learn and gain new perspectives.

Advancing Academic Excellence

Sokoine University of Agriculture (SUA) is ranked **27th among universities in Sub-Saharan Africa** and **5th in East Africa**, after University of Nairobi, Makerere University, University of Dar es Salaam, and Kenyatta University, according to the QS Sub-Saharan Africa University Rankings 2026.

The ranking evaluates universities using indicators such as **academic reputation**, **employer reputation**, **research output**, and **institutional capacity**.

SUA performed particularly well in **Papers per Faculty**, **Citations per Paper**, and **Faculty–Student Ratio**, reflecting the University's **strong academic reputation, growing research productivity, and favourable staffing levels**.

This recognition highlights SUA's expanding contribution to **research, innovation, and higher education development in Africa.**

Unlock your Potential, Study with Purpose, Graduate with Skills, Choose SUA

Choosing the right university is a critical decision that shapes your career and future contribution to society.

Sokoine University of Agriculture (SUA) offers a learning environment designed to produce competent, innovative, and market-ready graduates who respond to real-world challenges.

Why Choose SUA

- Competence-Based Education
- Market-Driven Academic Programmes
- Inclusive and Equitable Education
- Integration of Technology in Teaching and Learning
- Skills-Based and Practical Training
- Strong Partnerships with Industry and Employers
- Quality Teaching, Research, and Innovation
- Conducive and Supportive Learning Environment

Take the Next Step, Explorer our Programmes and Apply for admission

https://www.sua.ac.tz/apply

UNDERGRADUATE STUDIES

Dr. Hamis J. Tindwa

Message from the Director

On behalf of the Directorate of Undergraduate Studies (DUS), I warmly welcome all students to Sokoine University of Agriculture (SUA).

The Directorate is responsible for coordinating key academic functions, including admissions, programme selection, teaching schedules, and academic records management.

Our goal is to ensure a smooth and enriching academic experience for all undergraduate students.

DUS is committed to promoting academic excellence and student success through timely guidance, accessible resources, and effective communication. We share important updates via the SUA website, social media, flyers, and brochures.

With a dedicated team, we are here to support you throughout your academic journey and help you prepare for a successful future.

For more information, please visit https://www.dus.sua.ac.tz or contact us through email dus@sua.ac.tz

Dr. Hamis J. Tindwa
Director, Directorate of Undergraduate Studies.


SCIBINE UNIVERSITY OF AGRICULTURE
Award of Degree of Doctor of Philosophy
Wesswa Sadic Babyesiza

Undergraduate Programmes

Sokoine University of Agriculture (SUA) offers undergraduate and postgraduate programmes delivered through its Colleges, Schools, and Departments.

At undergraduate level, the University is running 38 programmes in the 2025/2026 academic year, including Bachelor's degree programmes, and 7 Diploma programmes. In addition, 5 new undergraduate programmes are scheduled to commence in the coming academic years, while 9 programmes are at different stages of being phased out.

The Bachelor of Family and Consumer Studies will henceforth be offered as the Bachelor of Textiles and Fashion Studies, and the Bachelor of Arts in Rural Development has been merged into the Bachelor of Community Development.

Currently Running Programme

College of Agriculture

1. Bachelor of Science in Agriculture
2. Bachelor of Science in Horticulture
3. Bachelor of Crop Production and Management
4. Bachelor of Science in Animal Science and Production
5. Bachelor of Science in Aquaculture
6. Bachelor of Science in Human Nutrition
7. Bachelor of Crop Production with Education
8. Bachelor of Horticulture with Education
9. Bachelor of Aquaculture with Education
10. Bachelor of Livestock Production with Education

11. Bachelor of Nutrition and Catering with Education
12 Bachelor of Textiles and Clothing with Education

College of Forestry, Wildlife and Tourism

1. Bachelor of Science in Forestry
2. Bachelor of Tourism Management
3. Bachelor of Science in Wildlife Management
4. Bachelor of Wood Technologies and Value Addition

College of Veterinary Medicine and Biomedical Sciences

1. Bachelor of Veterinary Medicine
2. Bachelor of Science in Laboratory Sciences and Biotechnology
3. Diploma in Tropical Animal Health and Production
4. Diploma in Laboratory Sciences

College of Natural and Applied Sciences

1. Bachelor of Science in Environmental Sciences and Management
2. Bachelor of Science in Information Technology
3. Bachelor of Information and Records Management
4. Bachelor of Science with Education
5. Diploma in Information Technology
6. Diploma in Records and Information Science

College of Economics and Business Studies

1. Bachelor of Science in Agricultural Economics and Agribusiness
2. Bachelor of Agricultural Investment and Banking

College of Social Sciences and Humanities

1. Bachelor of Community Development
2. Bachelor of Human Resources and Labour Relations Management
3. Bachelor of Arts in Development Planning and Management

Mizengo Pinda Campus College

1. Bachelor of Science in Bee Resources Management
2. Diploma in Crop Production and Management
3. Diploma in Tourism and Wildlife Hunting
4. Diploma in Bee Resources Management

School of Engineering and Technology

1. Bachelor of Science in Agricultural Engineering
2. Bachelor of Science in Irrigation and Water Resources Engineering
3. Bachelor of Science in Food Science and Technology

Upcoming Undergraduate Programmes

1. Bachelor of Textiles and Fashion Studies
2. Bachelor of Science in Cybersecurity and Digital Forensics
3. Bachelor of Science in Civil Engineering
4. Bachelor of Accounting and Finance
5. Bachelor of Arts with Education (English Language and Literature)

Phased Out Undergraduate Programmes

1. Bachelor of Science in Agronomy
2. Bachelor of Science in Applied Agricultural Extension
3. Bachelor of Science in Family and Consumer Studies
4. Bachelor of Science in Range Management
5. Bachelor of Science in Bioprocess Engineering
6. Diploma in Seed Technology
7. Bachelor of Arts in Rural Development
8. Certificate in Tour Guiding and Hunting Operations
9. Certificate in Information Technology

POSTGRADUATE STUDIES

Prof. Japhet J.Kashaigili

Message from the Director

On behalf of the Directorate of Postgraduate Studies, Research, Technology Transfer and Consultancy (DPRTC), it is my utmost pleasure to warmly welcome you to the Sokoine University of Agriculture (SUA).

The Directorate of Postgraduate Studies, Research, Technology Transfer and Consultancy at SUA serves as the central coordinating body for all postgraduate training and research initiatives. It oversees admissions, programme development, examinations, the welfare of postgraduate students, and the implementation of academic regulations across colleges, schools, and institutes.

DPRTC fosters excellence in graduate education and research, promotes innovation and technology transfer, and facilitates university-industry collaborations. With more than 68 diverse postgraduate programmes, including postgraduate Diplomas, Master's, PhDs, and Postdoctoral studies, offered in flexible study modes, DPRTC prepares students to meet local and global challenges.

The Directorate also supports international students, encourages interdisciplinary collaboration, and hosts academic events that enrich professional growth. For more information, please visit our website at https://www.dprtc.sua.ac.tz or contact us through email drpgs@sua.ac.tz

Prof. Japhet J. Kashaigili
Director, Directorate of Postgraduate Studies, Research, Technology Transfer and Consultancy

Postgraduate Programmes

SUA offers a comprehensive and dynamic portfolio of postgraduate training programmes. In the 2025/2026 academic year, the University is running 50 postgraduate programmes, including 5 specialised PhD programmes and 2 Postgraduate Diplomas, and also offers a General PhD across all academic fields.

In addition, 19 new programmes are scheduled to commence in the coming academic year.

SUA participates in the Collaborative Master's in Agricultural and Applied Economics (CMAAE) programme with 17 universities across Eastern, Central, and Southern Africa.

The University also offers the Master of Science in Agricultural Statistics jointly with the Eastern Africa Statistical Training Centre (EASTC).

Currently Running Programme

College of Agriculture

1. Master of Science in Horticulture
2. Master of Science in Crop Protection
3. Master of Science in Agronomy
4. Master of Science in Seed Technology and Business
5. Master of Science in Soil Science and Land Management
6. Master of Science in Aquaculture
7. Master of Science in Tropical Animal Production
8. Master of Science in Human Nutrition
9. Master of Science in Agriculture Extension
10. PhD in Soil and Water Management

11. PhD in Agro-ecology
12. PhD in Agricultural and Rural Innovation

College of Forestry, Wildlife and Tourism

1. Master of Science in Forestry
2. Master in Tourism and Recreation Management
3. Master of Science in Wildlife Management and Conservation
4. Master of Science in Forest Products and Technologies
5. Master of Science in Environmental and Natural Resource Economics
6. Master of Science in Ecosystems Sciences and Management
7. Master of Science in Forest Engineering
8. Master of Science in Forest Resources Assessment and Management
9. PhD in Forest Sciences

College of Veterinary Medicine and Biomedical Sciences

1. Master of Science in Applied Microbiology
2. Master of Science in Animal Reproduction and Biotechnology
3. Master of Science in Public Health
4. Master of Science in Applied Toxicology
5. Master of Veterinary Medicine
6. Master of Science in Molecular Biology and Biotechnology
7. Master of Science in Parasitology
8. Master of Science in Preventive Veterinary Medicine
9. Master of Science in Public Health Pest Management
10. Master of Science in Biochemistry
11. Master of Science in Comparative Animal Physiology
12. Master of Science in Health of Aquatic Animal Resources
13. Master of Science in One Health Molecular Biology

College of Natural and Applied Sciences

1. Master of Science with Education
2. Master of Science in Environmental Sciences, Management and Techno
3. Master of Science in Hydrogeology and Water Resources Management

College of Economics and Business Studies

1. Master of Business Administration - Agribusiness
2. PhD in Agribusiness

College of Social Sciences and Humanities

1. Master of Arts in Rural Development and Transformation
2. Master of Project Management and Evaluation
3. Master of Development Planning and Policy Analysis

School of Engineering and Technology

1. Master of Science in Land Use Planning and Management
2. Master of Science in Irrigation Engineering and Management
3. Master of Science in Food Quality and Safety Assurance
4. Master of Science in Post-Harvest Technology and Management
5. Master of Science in Food Science and Technology

School of Education

1. Master of Education in Curriculum and Instruction
2. Master of Education Management and Administration
3. Postgraduate Diploma in Education

Collaborative and Joint Programmes

1. Master of Science in Agricultural Statistics
2. Collaborative Master of Science in Agricultural and Applied Economics (CMAAE)

Upcoming Postgraduate Programmes

1. Master of Science in Range Management
2. Master of Science in Textiles Management and Fashion
3. Master of Science in Plant Breeding
4. Master of Science in Agro-ecology
5. Postgraduate Diploma in Agricultural Extension Management
6. Master of Science in Applied Information Technology
7. Master of Science in Communication
8. Master of Archives and Records Studies
9. Master of Science in Agro Meteorology and Climate Change
10. Master of Science in Chemistry
11. Master in Information and Knowledge Management
12. Master of Science in Applied Mathematics
13. Master of Science in Statistics
14. Master of International Trade and Economic Development
14. Master of Business Administration (Human Resource, Finance, Marketing) - Part Time
16. Master of Translation and Interpretation
17. Master of Science in Agricultural and Bio Systems Engineering
18. Master of Science in Water Resources Engineering
19. Master of Science in Applied Psychology and Counselling

COLLEGE OF AGRICULTURE

"Our goal is to make agriculture more productive, resilient to climate change, and a strong foundation for food security, fulfilling employment, and poverty alleviation—aligned with national, regional, and global development goals"

Message from the Principal

The College of Agriculture (CoA) warmly welcomes all students who have made an excellent decision to join Sokoine University of Agriculture (SUA).

As one of the most diverse and dynamic academic units at the University, the College is committed to transforming agriculture through quality education, innovative research, outreach, and advisory services. Our goal is to enhance agricultural productivity and climate resilience while contributing to food security, job creation, and poverty reduction in line with national, regional, and global development priorities.

The College comprises five academic departments, one service department, and a consultancy bureau, each contributing to agricultural education and research. The departments are organised into the following areas of specialisation: Crop Science and Horticulture; Soil and Geological Sciences; Human Nutrition and Consumer Sciences; Animal and Aquatic Sciences; and Agricultural Extension and Community Development.

Practical training and skills development is strengthened through the Department of Model Training Farm, while the Bureau of Agricultural Consultancy and Advisory Services links academic expertise with real-world agricultural industries and co-create solutions.

At CoA, we integrate smart technologies into teaching and field activities using a learner-centred approach to develop competent and innovative graduates. Students' well-being is our priority, supported through academic advising and counselling services that promote both personal and professional growth.

On behalf of the College of Agriculture, I wish you a fulfilling and successful academic journey at Sokoine University of Agriculture.

For more information, please visit www.coa.sua.ac.tz or email coa@sua.ac.tz.

Dr. Nyambilila A. Amuri
Principal, College of Agriculture

Undergraduate Programmes

The College of Agriculture offers a wide range of undergraduate programmes designed to prepare graduates for various careers in agriculture, livestock production, extension, aquaculture and fisheries, human and animal nutrition, textiles and fashion, vocational education, rural innovation and other related industries.

Bachelor of Science in Agriculture

This programme provides students with a solid foundation in general agriculture, with specialisation in one of the following majors:

Major: Crop Science

Learning Outcomes:

Students apply agricultural principles in crop production, conduct research, adopt modern technologies, optimise crop management systems for sustainability, and demonstrate leadership and effective communication in agricultural contexts.

Career Path and Opportunities:

Graduates can pursue careers in various fields, such as crop production, soil science, agricultural extension, agroecology, and environmental management. Possible career positions include Crop Production Manager, Plant Breeder, Agricultural Officer, Seed Production Expert, Agribusiness Manager, Environmental Specialist, and careers in Agricultural Extension, Enterprise Development, and Agripreneurship.

Major: Soil Science and Land Management

Learning Outcomes:

Students apply soil science principles to agriculture by assessing soil health and agrochemicals, conserving land, conducting surveys, suggesting sustainable methods, offering extension services, and communicating effectively with stakeholders.

Career Path and Opportunities:

Graduates are trained for roles in agriculture and environmental fields, such as Crop and Soil Scientists, Agronomists, and Land Reclamation Graduates can also work in environmental management, fertiliser and agrochemical industries, and agricultural extension services as soil surveyors, land use planners, and conservation and restoration specialists

Major: Agricultural Extension

Learning Outcomes:

Students design and implement agricultural extension programs, mobilise communities for agricultural development, and develop effective communication strategies for knowledge transfer.

Career Path and Opportunities:

In this programme, graduates are equipped to lead agricultural education and extension services, particularly in community development initiatives for rural areas where they work as Extension Officers, providing technical advice to farmers, or as Agricultural Educators, training communities in modern farming practices.

They also serve Community Development Specialists and Program Coordinators, managing agricultural initiatives that promote sustainable livelihoods.

Bachelor of Science in Horticulture

Learning Outcomes:

Students acquire knowledge to apply scientific principles in the production of fruits, vegetables, and ornamental crops, and demonstrate expertise in managing horticultural enterprises and research programs.

Career Path and Opportunities:

Graduates can pursue careers in the horticulture and agribusiness sectors, where they serve as Farm Managers overseeing production, Extension Agents supporting farmers with best practices, or Research Technicians contributing to innovation.

Others include becoming Agripreneurs, Horticulturalists, Agribusiness Managers, and Consultants who provide expert guidance within the horticulture industry.

Bachelor of Crop Production and Management

Learning Outcomes:

By the end of the programme, students apply integrated crop management strategies that optimise yields, improve soil health, and support long-term agricultural sustainability, all while considering environmental and socio-economic factors.

Career Path and Opportunities:

This programme prepares graduates to work directly in crop production, agribusiness, and farm management. Their roles include Production Officers, Agronomists, and Agricultural Advisors, who provide guidance to farmers and agribusinesses to improve productivity and sustainability.

Bachelor of Science in Animal Science and Production

This programme provides students with a solid foundation in animal science and production, with specialisation in one of the following majors:

Major: Livestock Production

Learning Outcomes:

By the end of the programme, students acquire advanced expertise in animal breeding, health, and nutrition, enabling them to manage livestock farms and ensure the quality, safety, and productivity of animal products.

Career Path and Opportunities:

Graduates are prepared for careers in livestock management and animal production, with roles such as Livestock Officers, Ranch Managers, Animal Nutrition Specialists, and Animal Breeding Experts.

They work across the animal feed industry, government and private farms, non-governmental organisations, research institutions, and livestock extension services.

Major: Poultry Production

Learning Outcomes:

By the end of the programme, students develop expertise in poultry breeding, health, and nutrition, as well as general livestock farm management, enabling them to ensure the quality, safety, and productivity of animal products.

Career Path and Opportunities:

Graduates are trained for careers in poultry production and management, taking on roles such as Livestock Officers, Poultry Breeding Specialists, Hatchery Managers, Animal Nutrition Experts, and Poultry Industry Managers.

They develop strong expertise in breeding, hatchery operations, health, and nutrition. They can progress into managerial roles across the poultry industry value chain.

Major: Range Management

Learning Outcomes:

By the end of this programme, students acquire expertise in animal nutrition, livestock farm management, and sustainable rangeland management, enabling them to produce healthy livestock while promoting environmental sustainability and responsible agricultural practices.

Career Path and Opportunities:

Graduates are prepared for careers in livestock and rangeland management, taking on roles such as Livestock Officers, Rangeland and Pasture Managers, and Animal Feeds Specialists.

The jobs span the animal feed industry, ranch operations, government and private farms, non-governmental organisations, land restoration projects, research institutions, and livestock extension services.

Major: Dairy Technology

Learning Outcomes:

By the end of the programme, students will have gained expertise in animal breeding, health, and nutrition, as well as livestock farm management and dairy value-added technologies, enabling them to ensure the quality, safety, and productivity of dairy products.

Career Path and Opportunities:

The programme prepares graduates for careers in dairy production and livestock management, equipping them for roles such as Livestock Officers,Ranch Managers, Animal Nutrition Experts, and Animal Breeding Specialists, with a focus on dairy technologies.

Opportunities exist in the animal feed industry, government and private farms, non-governmental organisations, dairy production and processing industries, research institutions, and livestock extension services.

Bachelor of Science in Aquaculture

Learning Outcomes:

By the end of the programme, students develop skills in constructing and managing aquaculture systems, evaluating water quality, formulating feeds, managing reproduction, applying genetic technologies, and overseeing hatcheries.

Career Path and Opportunities:

The programme trains professionals for careers in aquaculture and fisheries management, preparing them for roles such as Fisheries Officers, Aquaculture Technicians, and Fish Farm Managers.

Employment opportunities are available in government and private fish farms, research institutions, non-governmental organisations, and entrepreneurial ventures within the aquaculture sector.

Bachelor of Science in Human Nutrition

Learning Outcomes:

Students learn to conduct nutritional assessments, develop program plans, design health promotion initiatives, and apply principles of dietetics and food science to promote public well-being.

Career Path and Opportunities:

Graduates are prepared to work in the food, nutrition, and health industries, where they may serve in roles such as Nutritionists, Dietitians, Nutritional Health Educators, and Food Product Developers.

They can be employed in healthcare institutions, the food industry, nutrition education programs, and public health initiatives.

Bachelor of Textiles and Fashion Studies

Learning Outcomes:

Students master textile design, garment construction, and supply chain management, applying sustainable practices to promote environmental and social responsibility in the fashion industry.

Career Path and Opportunities:

Graduates are prepared for dynamic careers in the fashion and textile industry, such as in fashion design, textile technology, merchandising, and sustainable fashion, where they become Fashion Designers, Entrepreneurs, Consultants, and Product Developers.


JUKI
JUKI

Vocational Teacher Education Programmes

These programmes prepare graduates to teach technical subjects in secondary and vocational schools, aligning with national education policy goals.

Bachelor of Crop Science with Education

Learning Outcomes:

Students develop strong pedagogical skills, integrate e-learning techniques into their teaching, and gain expertise in delivering effective soil and crop education.

Career Path and Opportunities:

The programme prepares skilled educators to teach agriculture-related subjects in secondary schools and training colleges, while also offering a strong foundation for careers in educational leadership, curriculum development, or academic research in soil and crop science.

Potential roles include Agricultural Science Teachers, Crop Production Specialists, and Educational Curriculum Developers.

Bachelor of Horticulture with Education

Learning Outcomes:

By the end of the program, graduates acquire knowledge in horticultural production and develop practical teaching methods for knowledge transfer and skills development.

Career Path and Opportunities:

The programme prepares skilled educators to teach horticulture-related subjects in secondary schools and training colleges, while also offering a strong foundation for careers in educational leadership, curriculum development, or academic research in horticulture.

Graduates pursue careers such as Horticulture Teachers, Greenhouse Managers, Urban Farming Consultants, and Landscaping Specialists.

Bachelor of Aquaculture with Education

Learning Outcomes:

In this Programme, students gain expertise in hatchery management, aquaculture systems, and lesson planning, enabling them to apply practical skills in aquaculture production and effectively deliver knowledge in educational or training settings.

Career Path and Opportunities:

The programme equips educators with the knowledge and skills to teach aquaculture-related subjects in secondary schools and training colleges, while also providing a strong foundation for careers in educational leadership, curriculum development, and academic research within the field of aquaculture.

Thus, graduates may pursue careers as Aquaculture Teachers, Aquaculture Technicians, Hatchery Managers, and Research Assistants in the field of aquaculture development.

Bachelor of Livestock Production with Education

Learning Outcomes:

Students apply livestock handling techniques, implement disease control strategies, and utilise pedagogical training methods to enhance teaching and knowledge transfer in animal sciences.

Career Path and Opportunities:

The programme trains skilled professionals to teach livestock-related subjects in secondary schools and training colleges, while also offering a strong foundation for careers in educational leadership, curriculum development, or academic research in livestock.

Career options include Livestock Production Teachers and Animal Nutritionists.

Bachelor of Nutrition and Catering with Education

Learning Outcomes:

Students develop skills in catering management and nutrition science, and demonstrate competence in delivering effective lessons for teaching and training purposes.

Career Path and Opportunities:

The programme trains professionals to teach home economics-related subjects in secondary schools and training colleges, while also offering a strong foundation for careers in educational leadership, curriculum development, or academic research in home economics.

Possible roles include Home Economics Teachers, Food Safety Inspectors, Nutrition Consultants, Catering Managers, and Public Health Educators.

Bachelor of Textiles and Clothing with Education

Learning Outcomes:

Students master textile crafting, tailoring, needlework, garment construction, fashion design, and sewing, and become proficient in teaching methods, including curriculum interpretation and use of instructional strategies for fashion and textile subjects.

Career Path and Opportunities:

The programme trains educators to teach textiles and clothing in schools and colleges, work in garment construction and fashion design, and pursue roles in educational leadership, curriculum development, or research.

Graduates can become Textiles and Clothing Teachers, Fashion Designers, Merchandising Specialists, Quality Control Officers, and Textile Technology Experts.

Postgraduate **Programmes**

The College of Agriculture offers a diverse range of postgraduate programmes designed to develop advanced expertise in agriculture, food systems, natural resource management, and rural development. These programmes equip students with the skills, knowledge, and research capacity needed to make meaningful contributions to national and international agricultural development.

Master of Science in Horticulture

Learning Outcomes:

Students design and manage profitable horticultural enterprises, apply postharvest technologies, utilise advanced crop production techniques, conduct research, and offer consultancy in horticultural value chains.

Career Path and Opportunities:

In this programme, graduates are trained to take up roles in fields related to crop production, postharvest management, food safety, and agricultural policy and regulation.

Therefore, they might work as Researchers, Horticultural Scientists, Breeders, Extension Officers, Greenhouse Managers, urban garden developers, GAP Certification Experts, and professionals in organisations such as the FAO and CGIAR.

Master of Science in Plant Breeding

Learning Outcomes:

Students learn to design breeding programs, utilise modern tools for crop improvement, apply best agricultural practices, address seed system challenges, and conduct research.

Career Path and Opportunities:

The programme trains professionals who apply advanced knowledge in genetics, biotechnology, and crop development to work in academia, seed companies, crop research institutions, international non-governmental organisations, and agricultural consultancy firms.

It prepares Plant Breeders, Geneticists, Biotechnologists, and seed industry professionals to lead crop improvement initiatives.

Master of Science in Applied Crop Protection

Learning Outcomes:

Students learn to design and implement IPM strategies, utilise diagnostic tools for pest identification, conduct risk assessments, and engage in policy and scientific forums related to crop protection.

Career Path and Opportunities:

Graduates become crop protection specialists with expertise in pest diagnostics, regulations, and integrated pest management (IPM).

Career options include Plant Health Officers, Pest Risk Analysts, Crop Protection Researchers, Consultants, and Academicians, offering opportunities in research, government agencies, consultancy, and academic institutions focused on sustainable crop protection.

Master of Science in Agronomy

Learning Outcomes:

Students gain expertise in optimising crop production systems, solving agronomic challenges, conducting research, and offering consultancy in sustainable agriculture practices.

Career Path and Opportunities:

The programme equips professionals with advanced knowledge in agronomy, enabling graduates to become agricultural entrepreneurs, crop physiologists, and production managers.

Possible roles include becoming Agronomists, Research Scientists, Extension Officers, Consultants, and Technical Experts in the public and private sectors.

Master of Science in Seed Technology and Business

Learning Outcomes:

Students gain expertise in producing and evaluating high-quality seeds, applying DUS testing for crop varieties, leading and managing seed enterprises, and engaging in seed policy and regulatory frameworks.

Career Path and Opportunities:

Prepares professionals skilled in seed production, business management, and seed system policy development who can work as Seed Technologists, Entrepreneurs, Policy Advisors, Seed Analysts, and Consultants in public and private sectors.

Master of Science in Soil Science and Land Management

Learning Outcomes:

Students develop skills in applying soil chemistry, physics, and biology to carry out soil analysis, maintain soil health, enhance plant nutrition, create fertiliser technologies and products, design GIS-based land-use systems, and implement strategies for controlling erosion and conservation.

Career Path and Opportunities:

This programme trains professionals in soil health, sustainable land use, and environmental stewardship. Graduates can pursue careers as Soil Scientists, Land Management Officers, Environmental Consultants, and Researchers, applying their expertise to promote sustainable land management, environmental conservation, and ecosystem health.

Master of Science in Aquaculture

Learning Outcomes:

Students gain expertise in designing and operating aquaculture systems, producing and managing fish seed, and applying nutrition and disease control strategies to enhance fish health.

Career Path Opportunities:

Trains graduates to lead and innovate in aquaculture management, research, and development in roles such as Fish Farm Managers, Hatchery Operators, Aquaculture Researchers, Policy Advisors, and Consultants, offering opportunities to drive sustainable aquaculture practices, influence policy, and contribute to high-level research and enterprise development in the sector.

Master of Science in Agroecology

Learning Outcomes:

Students develop skills in applying IPM principles, designing business plans for agroecological ventures, conducting research in sustainable systems, and advocating for ecological farming and marketing.

Career Path and Opportunities:

Trains experts in sustainable agriculture, systems thinking, and agroecological transformation who may work as Agroecologists, Environmental Consultants, Organic Certification Experts, Extension Advisors, and NGO Practitioners.

Master of Science in Tropical Animal Production

Learning Outcomes:

Students learn to formulate sustainable livestock management strategies, develop biosecurity and animal welfare plans, and conduct research and training in livestock systems.

Career Path and Opportunities:

Graduates become livestock specialists with expertise in nutrition, breeding, and livestock product development. They work as Livestock Extension Officers, Farm Managers, Animal Scientists, Consultants, and Educators, offering opportunities to advance livestock production, advisory services, and research in both public and private sectors.

Master of Science in Human Nutrition

Learning Outcomes:

Students learn to assess and address nutritional challenges, design evidence-based nutrition interventions, and lead community nutrition initiatives and research.

Career Path and Opportunities:

Graduates pursue roles in public health nutrition, clinical dietetics, academia, and food security policy. Their roles include Nutritionists, Health Program Officers, Researchers, Policy Makers, and Educators.

Master of Science in Range Management

Learning Outcomes:

Students develop skills in planning and monitoring rangeland systems, designing pasture production and conservation strategies, and engaging in sustainable interactions among livestock, plants, and the environment.

Career Path and Opportunities:

Trains professionals to manage rangeland ecosystems and promote climate-resilient practices in roles such as Ranch Managers, Rangeland Scientists, Ecologists, Government Advisors, and Extension Professionals.

Master of Textiles Management and Fashion

Learning Outcomes:

Students develop expertise in applying design and production technologies, promoting sustainability in the textile value chain, conducting research, and leading branding initiatives.

Career Opportunities:

Professionals lead fashion design, textile technology, and sustainable apparel businesses. They can work as Fashion Designers, Production Managers, Entrepreneurs, and Quality Assurance Specialists.

Master of Science in Agricultural Extension

Learning Outcomes:

Students develop skills in designing and managing extension programs, applying interdisciplinary knowledge in farmer engagement, and evaluating and improving extension methodologies.

Career Path and Opportunities:

Prepares graduates to lead agricultural advisory services, policy implementation, and rural development. Possible roles include Extension Specialists, Programme Coordinators, Policy Advisors, NGO Practitioners, and Educators.

Doctor of Philosophy in Soil and Water

Specializations: Integrated Soil Fertility Management, Soil Water Management and Agriculture Land Resource Planning

Learning Outcomes:

Students develop skills in conducting independent research on soil-water interactions, innovating solutions for conservation and climate resilience, and influencing policy and practice in soil and water management.

Career Path and Opportunities:

Prepares scholars for leadership in research, academic, policy, and sustainable management of land and water resources. Graduates may become University Professors, Environmental Consultants, Research Scientists, and International Development Experts.

Doctor of Philosophy in Agro-ecology

Learning Outcomes:

Students develop advanced skills in monitoring environmental changes in agroecosystems, developing community-based nature-friendly farming models, and contributing to global discourse on food sovereignty and climate action.

Career Path and Opportunities:

Develop transformative leaders in climate-resilient farming, agroecological systems, and sustainability transitions. Career options include Academic Leaders, Policy Experts, Researchers, Sustainability Consultants, and NGO Advisors.

Doctor of Philosophy in Agricultural and Rural Innovation

Learning Outcomes:

Students gain expertise in designing and implementing research in innovative systems, analysing agricultural challenges, and contributing to policy and institutional reform.

Career Path and Opportunities:

Develop transformative leaders in rural innovation, extension, and sustainable agriculture. Possible careers include Professors, Senior Researchers, Innovation Advisors, and International Development Specialists.

Postgraduate Diploma in Agricultural Extension Management

Learning Outcomes:

Students learn to integrate knowledge across disciplines to solve rural development problems, demonstrating leadership and collaboration in community-based projects.

Career Path and Opportunities:

This programme trains professionals to develop managerial and technical expertise in providing agricultural extension services. Career opportunities include roles such as Extension Officers, Programme Managers, Consultants, and Agricultural Development Specialists, thereby offering avenues to advance community-oriented agricultural development, advisory services, and program execution within both public and private sectors.

COLLEGE OF FORESTRY, WILDLIFE AND TOURISM

"We offer practical, field-oriented degree programmes in forestry, wildlife, tourism, wood sciences, and natural resource management"

Message from the Principal

The College of Forestry, Wildlife and Tourism (CFWT) at Sokoine University of Agriculture offers practical, field-oriented degree programmes in forestry, wildlife, tourism, wood sciences, and natural resource management.

The College is dedicated to producing skilled professionals capable of managing natural resources sustainably while responding to contemporary environmental and development challenges.

The College comprises six academic departments covering key areas of ecosystems and conservation, wildlife management, forest resources assessment and management, forest and environmental economics, forest engineering and wood sciences, as well as tourism and recreation.

To strengthen hands-on learning, CFWT operates several training outposts, including Olmotonyi Training Forest (Arusha), Mazumbai Forest Reserve (Lushoto–Tanga), Ifinga Forest Plantation (Madaba–Ruvuma), and Kitulang'halo Forest Reserve (Morogoro). In addition, specialised facilities such as the Vuyisile Mini Furniture Factory, Morning Sight, and the Botanical Garden in Morogoro provide valuable practical exposure.

Through a strong blend of classroom instruction, field training, and research, the College equips students with the knowledge and skills required for professional practice, innovation, and leadership in forestry, wildlife, and tourism sectors.

On behalf of the College of Forestry, Wildlife and Tourism, I welcome you to Sokoine University of Agriculture and wish you a successful and rewarding academic journey.

For more information, please visit www.cfwt.sua.ac.tz or email forestry@sua.ac.tz.

Prof. Agnes A. Sirima
Principal, College of Forestry, Wildlife and Tourism

Undergraduate Programmes

The College of Forestry, Wildlife and Tourism offers undergraduate degree programmes designed to prepare graduates for professional careers in forestry, wildlife management, tourism, environmental conservation, and related natural resource sectors.

Bachelor of Science in Forestry

Learning Outcomes:

Students develop the technical and analytical skills necessary to manage forest ecosystems, conduct applied research, and promote sustainable and responsible forestry practices.

Career Path and Opportunities:

This programme prepares graduates for careers in sustainable forest management, advisory services, and forestry research. It suits those passionate about managing natural resources responsibly.

Graduates can work as Forest and Conservation Officers, Ecologists, Agroforestry Specialists, Forestry Extension Officers, and Project Managers in government, NGOs, research organisations, and private forestry enterprises.

Bachelor of Tourism Management

Learning Outcomes:

Students gain professional expertise in tourism operations, hospitality management, event planning, and sustainable tourism strategies, with a strong focus on real-world application.

Career Path and Opportunities:

Equips graduates with skills to promote, manage, and develop tourism and hospitality industries at local, national, and international levels.

Graduates may pursue careers as Tour Operators, Travel Agency Managers, Hotel and Resort Managers, Event planners and Customer Service Manager.


IKUMI NATIONAL PARK

Bachelor of Science in Wildlife Management

Learning Outcomes:

Students acquire analytical, technical, and managerial skills necessary for effective and sustainable wildlife and habitat management, including fieldwork and data analysis.

Career Path and Opportunities:

Prepares graduates in wildlife conservation, research, and the management of protected areas, focusing on both ecological and socio-economic aspects of conservation for roles in government agencies, NGOs, wildlife reserves, and conservation-based enterprises.

The careers include Wildlife Rangers, Conservation Officers, Ecologists, Wildlife and Conservation Research Scientists, and Environmental Consultants.

Bachelor of Wood Technologies and Value Addition

Learning Outcomes:

Students gain technical knowledge and practical skills in wood processing, value addition, technology application, and entrepreneurship within the forest products sector.

Career Path and Opportunities:

Graduates can pursue careers in the wood and forest products sector as Wood Technologists, Forest Product Developers, Wood Processing and Manufacturing Managers, Industrial Production Supervisors, Technical Officers, and Entrepreneurs.

They are equipped to work in public and private industries or establish their own ventures, with a strong focus on innovation, efficiency, and sustainability in wood product development, processing, and utilization.

Postgraduate **Programmes**

The College of Forestry Wildlife and Tourism offers postgraduate degree programmes designed to develop advanced expertise research capacity and leadership skills in forestry, wildlife conservation, ecotourism, biodiversity management and sustainable natural resource use, enabling graduates to contribute effectively to research policy formulation conservation planning innovation and sustainable development at national, regional and international levels

Master of Science in Forestry

Learning Outcomes:

Students gain a thorough understanding of forest management, improve research skills, and learn to plan, implement, and monitor sustainable practices effectively.

Career Path and Opportunities:

This programme trains graduates for advanced roles in sustainable forest management, policy, and research, targeting professionals seeking leadership and specialist positions.

Graduates may become Senior Forestry Officers, Forest Resource Managers, Policy Analysts, Forest Consultants, or Researchers in government, international organisations, research institutions, NGOs, and private companies.

Master in Tourism and Recreation Management

Learning Outcomes:

Students acquire advanced knowledge in tourism planning, marketing, destination management, and sustainable tourism practices, enabling them to lead and innovate effectively in the tourism industry.

Career Opportunities:

This programme trains students to manage, plan, and market tourism and recreation activities for the public and private sectors.

Graduates can become Tourism Planners, Consultants, Recreation Managers, Policy Advisors, Destination Managers, and Research Analysts in government, tourism agencies, NGOs, and private tourism companies.

Master of Science in Wildlife Management and Conservation

Learning Outcomes

Graduates gain expertise in wildlife ecology, conservation policy, and the design and implementation of effective wildlife management plans.

Career Path and Opportunities:

This programme offers specialised training in wildlife management and conservation, covering protected areas, wildlife programs, and biodiversity efforts.

Graduates can work as Wildlife Conservation Managers, Protected Area Managers, Wildlife Research Scientists, Conservation Consultants, and Environmental Educators in government agencies, international organisations, NGOs, and research institutions.

Master of Science in Forest Products and Technology

Learning Outcomes:

Students develop skills in wood product design, application of technology in forest products, and business management specific to the forestry sector.

Career Path and Opportunities:

This programme prepares graduates for leadership roles in the forest products industry, with a focus on innovation, processing, and business development. Graduates can work as Forest Product Developers, Wood Processing Engineers, Industry Consultants, Business Development Managers, or entrepreneurs in the sector.

Master of Science in Environmental and Natural Resources Economics

Learning Outcomes:

Students develop expertise in environmental economics, sustainable resource management, and economic modelling, with a focus on issues like climate change, biodiversity loss, and environmental policy.

Career Path and Opportunities:

The programme equips graduates with economic and analytical skills to address challenges in natural resource management and sustainability. Graduates can work as Environmental Economists, Policy Advisors, and Sustainability Consultants in NGOs, development agencies, and government institutions involved in environmental protection.

Master of Science in Ecosystem Sciences Management

Learning Outcomes:

Students gain expertise in ecosystem assessment, restoration, and management strategies to preserve ecosystem health amid climate change and human impacts.

Career Path and Opportunities:

This programme prepares graduates to manage ecosystems in ways that enhance biodiversity, ecosystem services, and sustainable development by integrating ecological principles with practical management approaches. Graduates can work as Ecosystem Managers, Conservation Planners, and Environmental Consultants in government agencies, NGOs, research institutions, and environmental non-profit organizations.

Master of Science in Forest Engineering

Learning Outcomes:

Students develop skills in forest resource planning, management, and designing systems that ensure the sustainable use of forest resources. They acquire a strong foundation in forest engineering technology and techniques.

Career Path and Opportunities:

This programme integrates engineering principles with forestry to prepare students for managing forest resources and infrastructure supporting sustainable practices. Graduates work as Forest Engineers, Management Consultants, Operations Managers, or in roles with government, forest agencies, and private firms.

Master of Science in Forest Resources Assessment and Management

Learning Outcomes:

Graduates gain expertise in forest resource assessment, land-use planning, and sustainable forest management, with an emphasis on balancing ecological, social, and economic factors.

Career Path and Opportunities:

This programme emphasises the scientific assessment and management of forest resources, blending fieldwork with technical skills to promote sustainable practices. Graduates can pursue careers as Forest Resource Managers, Assessors, and Ecological Consultants in government agencies, forestry firms, and environmental organisations.

Master of Science in Forest Products Value Chains and Business Development

Learning Outcomes:

Students develop advanced skills in forest products economics, supply chain management, and sustainable business practices to drive innovation and efficiency in the forestry industry.

Career Opportunities:

This programme integrates forestry and business skills, preparing graduates to manage the full forest product value chain from raw material to market. Graduates can work as Forest Products Managers, Business Development Specialists, Supply Chain Analysts, or in roles within forest product companies, consulting, or business development in the forestry sector.

Postgraduate Diploma in Monitoring and Evaluation

Learning Outcomes:

Students gain expertise in monitoring and evaluation methods, program design, and performance assessment tools for environmental projects and sustainability initiatives.

Career Path and Opportunities:

This programme teaches students to assess environmental projects and policies, focusing on data collection, analysis, and reporting. Graduates can work as Monitoring and Evaluation Specialists, Project Evaluators, or Environmental Consultants in development agencies, governments, and NGOs.

Doctor of Philosophy in Forest Sciences

Learning Outcomes:

Students acquire specialised knowledge in forest ecology, management, the impacts of climate change on forests, and forest policy, along with advanced research and analytical skills.

Career Path and Opportunities:

This research programme offers students in-depth expertise in forest sciences, enabling them to conduct research and advance their understanding of forests and ecosystems. Graduates can become University Professors, Research Scientists, Forest Policy Advisors, or Senior Research Associates in government, NGOs, or international organisations.

COLLEGE OF VETERINARY MEDICINE AND BIOMEDICAL SCIENCES

We offer high-standard academic and practical training in veterinary medicine and biomedical sciences, supported by five academic departments and the SUA Referral Animal Teaching Hospital.

Message from the Principal

As the only veterinary education establishment in Tanzania, the College of Veterinary Medicine and Biomedical Sciences (CVMBS) has trained over 1,500 veterinarians since its inception in 1976.

The College offers high-standard academic and practical training in veterinary medicine and biomedical sciences, supported by five academic departments and the SUA Referral Animal Teaching Hospital.

The academic departments include Veterinary Anatomy and Pathology; Veterinary Physiology, Biochemistry and Pharmacology; Microbiology, Parasitology and Biotechnology; Veterinary Medicine and Public Health; and Veterinary Surgery and Theriogenology.

With a strong team of professors, lecturers, and technical staff, CVMBS provides undergraduate, postgraduate, and diploma programmes in veterinary and laboratory sciences. It leads national efforts in the One Health initiative and is recognised for its expertise in areas such as antimicrobial resistance, disease surveillance, biosafety, molecular diagnostics based on genomics and proteomics, and assisted reproductive technologies.

Other areas where CVMBS is leading are aquatic health, ethnomedicine and natural products, wildlife molecular forensics and environmental ecotoxicology.

On behalf of the College of Veterinary Medicine and Biomedical Sciences, I welcome you to Sokoine University of Agriculture and wish you a successful and rewarding academic journey in veterinary medicine and biomedical sciences.

For more information, visit www.cvmbs.sua.ac.tz or contact us through email deanfvm@sua.ac.tz.

Prof. Esron D. Karimuribo
Principal, College of Veterinary Medicine and Biomedical Sciences

Undergraduate Programmes

The College of Veterinary and Biomedical Sciences offers degree programmes that train students in animal health, biomedical research, and disease prevention. Through rigorous scientific and practical instruction, graduates are equipped to work in veterinary practice, laboratory diagnostics, public health, and biomedical innovation—contributing to animal welfare, food safety, and global health security.

Bachelor of Veterinary Medicine (BVM)

Learning Outcomes:

Students acquire in-depth knowledge in veterinary anatomy, physiology, pathology, immunology, biochemistry, and microbiology. They also gain practical skills in animal health management, veterinary surgery, and diagnostics.

The programme fosters an understanding of professional ethics in veterinary medicine and the ability to carry out clinical and field-based research to enhance animal health.

Career Path and Opportunities:

This programme prepares students to be veterinarians in animal healthcare, livestock, public health, biomedical research, and policy. It's ideal for contributing to animal health and welfare globally.

Graduates can become Veterinary Surgeons, Animal Health Officers, Facility Managers, Researchers, or Advisors in public and private sectors.

Bachelor of Science in Biotechnology and Laboratory Sciences

Learning Outcomes:

Students develop proficiency in laboratory techniques, including molecular biology and genetic engineering. They also gain foundational knowledge in parasitology, microbiology, biochemistry, immunology, physiology and pathology, as well as an understanding of food safety and ethical considerations in scientific research.

Career Path and Opportunities:

Designed for students seeking careers in biotechnology, biomedical research, and diagnostic sciences, this programme prepares graduates for roles in healthcare, agriculture, and scientific research.

Graduates may find work as Medical and Animal Laboratory Technologists, Biomedical Researchers, Molecular Biologists, Laboratory Managers, or Technical Advisors in research institutions, healthcare laboratories, or biotechnology companies.

Diploma in Laboratory Technology

Learning Outcomes:

Students learn to use laboratory instruments and equipment, while also gaining a fundamental understanding of biochemistry, microbiology, and pathology.

The programme also develops their skills in lab-based diagnosis, as well as safety in the lab and managing laboratory animals.

Career Path and Opportunities:

This diploma prepares students for technical roles in labs in medical, veterinary, and agricultural fields. It's perfect for hands-on roles supporting diagnostics and research.

Graduates can work as Diagnostic Technicians, Research Assistants, or Assistant Managers in various laboratories.

Diploma in Tropical Animal Health and Production

Learning Outcomes:

Students acquire knowledge in preventing and treating animal diseases, managing livestock production systems, and promoting animal welfare.

They also develop practical skills to support veterinarians in clinical settings and field-based animal health work.

Career path and Opportunities:

This programme targets individuals supporting veterinary services, animal production, and public health, particularly in rural or field-based settings. It trains veterinary paraprofessionals for livestock development and disease control.

Graduates work as Veterinary Assistants, Animal Health Field Officers, Research Field Assistants, or Farm Managers in livestock, veterinary, or community-based projects.

Postgraduate Programmes

The postgraduate programmes are designed to equip graduates with advanced scientific, analytical, and leadership skills to address complex challenges in animal health, public health, biotechnology, and environmental sustainability. Across these programmes, students gain strong competencies in research, laboratory practice, policy analysis, and interdisciplinary collaboration, with an emphasis on ethical practice, innovation, and effective communication.

Master of Science in Applied Microbiology

Learning Outcomes:

Students learn to identify microbes, maintain laboratory quality, evaluate disease risks, and lead microbiology research with strong communication skills.

Career Path and Opportunities:

Graduates are prepared for roles in healthcare, agriculture, biotechnology, and environmental sectors, focusing on pathogen control, pharmaceutical development, and quality assurance.

Careers include Microbiologist, Research Scientist, QA/QC analysts, or Consultants in hospitals, biotech firms, international agencies, or startups.

Master of Science in Animal Reproduction and Biotechnology

Learning Outcomes:

Students develop advanced skills in diagnosing reproductive issues, applying biotechnological solutions, conducting research, and collaborating across disciplines, with a strong emphasis on ethical and communication competencies.

Career Path and Opportunities:

Graduates can take on roles in research, academia, government, or industry as reproductive technologists, scientists, consultants, or entrepreneurs specialising in animal fertility and biotechnology.

Possible opportunities include working with R&D institutions, universities, regulatory agencies, or setting up their own startups. Roles include Biotechnologist, Researcher, Policy Advisor, and Consultant, with potential for PhD progression.

Master of Science in Public Health

Learning Outcomes:

Students develop skills in epidemiological research, One Health approaches, policy analysis, and health programme management, allowing them to tackle a variety of public health issues.

Career Path and Opportunities:

Graduates take on roles in public health, leading health programmes, shaping policy, and supporting community initiatives on a global scale.

These careers include roles such as Epidemiologist, Public Health Consultant, Policy Analyst, or Global Health Officer, working in government, NGOs, academia, and international health organisations.

Master of Science in Applied Toxicology

Learning Outcomes:

Students develop the ability to evaluate toxic risks, conduct biochemical tests, interpret biomarkers, and apply research and communication skills in multidisciplinary contexts.

Career Path and Opportunities:

This programme equips graduates to lead in managing chemical safety across animal health, agriculture, environment, and public health, with roles in hazard assessment, regulation, and sustainable chemical use.

Opportunities include Toxicology Consultant, Risk Assessor, Veterinary Pharmacologist, or Regulatory Specialist in the pharmaceutical, agricultural, public health, or academic sectors.

Master of Veterinary Medicine

Specialisations: Clinical Medicine, Surgery, Theriogenology, Pathology, Epidemiology, Anatomy, Microbiology, Parasitology, Pharmacology, and Public Health.

Learning Outcomes:

Graduates of the Master of Veterinary Medicine (MVM) will demonstrate advanced knowledge and professional competence in clinical veterinary medicine, including disease diagnosis, treatment, patient management, surgery, reproduction, pharmacology, and action research for addressing complex animal health challenges.

They will possess advanced clinical reasoning, decision-making, and research skills to deliver high-quality animal health services, perform routine and complex surgical procedures, manage perioperative care, and critically appraise scientific evidence.

Graduates will also be competent in assessing and managing public health risks related to zoonotic diseases, food safety, and environmental health, while upholding high ethical and professional standards to safeguard animal and human well-being.

Career Path and Opportunities:

The programme prepares graduates for diverse professional careers in clinical veterinary practice, veterinary surgery, theriogenology, pathology, epidemiology, microbiology, anatomy, parasitology, pharmacology, and veterinary public health, as well as for advanced training, research, leadership, and specialist roles within animal health systems.

Master of Science in Molecular Biology and Biotechnology

Learning Outcomes:

Students acquire competencies in designing laboratory and field research, implementing biotechnological innovations, ensuring biosafety compliance, and teaching or promoting advancements in molecular biology.

Career Path and Opportunities:

Graduates are prepared for roles in research, academia, healthcare, and biotech industries, with opportunities in genetics, pharmaceuticals, agriculture, and personalised medicine. They can serve as Scientists, Genetic Counsellors, Quality Assurance/Quality Control (QA/AC) Analysts, or Plant Biologists in research institutions, healthcare, biotech firms, and agriculture. They are also suited for regulatory agencies, startups, policy, science communication, and advanced fields like CRISPR and AI bioinformatics.

Master of Science in Parasitology

Learning Outcomes:

Students cultivate critical thinking, laboratory, and research capabilities, along with interdisciplinary knowledge, to effectively tackle parasitic health challenges.

Career Path and Opportunities:

This programme trains graduates for roles in global health, agriculture, and veterinary science, with a focus on disease control, diagnostics, and research on parasitic diseases. Career options include Parasitologist, Diagnostic Specialist, Public Health Officer, or Researcher in institutions, government, or NGOs.

Master of Science in One Health Molecular Biology

Learning Outcomes:

Students develop interdisciplinary research competencies, address intricate health issues through molecular and One Health methodologies, and communicate evidence-based solutions with efficacy.

Career Path and Opportunities:

The programme trains graduates to address global health challenges at the intersection of human, animal, and environmental health, preparing them for roles in academia, public health, biotech, and ecosystem management.

Graduates can work as Researchers, Epidemiologists, Veterinary Scientists, or Public Health Officers for organisations such as the United Nation's (UN) World Health Organisation (WHO), UN Food and Agriculture Organisation (FAO), biotech firms, or disease surveillance initiatives.

Master of Preventive Veterinary Medicine

Learning Outcomes:

Students acquire competencies in formulating policies, executing disease investigations, designing preventive initiatives, and overseeing veterinary services and disease surveillance systems, thereby guaranteeing animal health and adherence to trade regulations.

Career Path and Opportunities:

The programme trains veterinarians for leadership in policy, disease control, and international trade across public, private, and global sectors. Graduates learn to manage animal health systems and respond to veterinary challenges. Career options include Policy Advisors, Epidemiologists, Zoo-Sanitary Officers, and Veterinary Service Managers in government, research, regulatory agencies, and international organisations.

Master of Science in Public Health and Pest Management

Learning Outcomes:

Students develop interdisciplinary research, problem-solving, and communication skills through the application of molecular and One Health approaches.

Career Path and Opportunities:

Graduates address health challenges at the intersection of human, animal, and environmental health, pursuing careers in public health, research, biotechnology, or environmental sectors.

They work as Researchers, Epidemiologists, Veterinary Scientists, or Public Health Officers in international organisations, academia, biotech firms, or disease surveillance agencies.

Master of Science in Biochemistry

Learning Outcomes:

Students learn to design and conduct biochemistry studies, utilise technologies such as genetic engineering and biotechnology to address issues in food science, agriculture, and animal production, and critically evaluate related research.

Career Path and Opportunities:

Graduates are prepared to work in academia, research, and the food and agricultural sectors, where biochemistry is vital.

They can serve as Research Scientists, Forensic Scientists, Academicians, Pharmacologists, Food Scientists, Biotechnologists, or Project Managers in government and NGOS.

Master of Science in Comparative Animal Physiology

Learning Outcomes:

Students develop an advanced understanding of how animal body systems work, use physiological techniques, responsibly manage animals, and recognise functional disorders across different species.

Career Path and Opportunities:

Graduates can pursue careers in animal physiology, research, and veterinary sciences, contributing to diagnostics, animal health, and academia.

Roles include Research Assistant, Veterinary Physiologist, Laboratory Technologist, or Academic Staff in veterinary and biomedical fields.

Master of Science in Health of Aquatic Animal Resources

Learning Outcomes:

Students apply health principles to manage aquatic resources, boosting sector productivity. They are trained in diagnostic procedures, including evaluating water quality with conventional and advanced methods to identify causes. Students can also plan, manage, monitor, and evaluate projects at district, national, and regional levels related to aquatic resource health.

Career Path and Opportunities:

This programme is designed for individuals aspiring to contribute to National, Regional, and International initiatives on aquatic resources. Graduates may become Aquatic Health Experts, Researchers, Fish Farm or Resource Managers, or Officers in aquatic health projects.

COLLEGE OF NATURAL AND APPLIED SCIENCES

Our programmes cover cutting-edge disciplines such as Life and Physical Sciences, Environmental Sciences, Climatology, Information Technology, and Education offering both undergraduate and postgraduate degrees.

Message from the Principal

The College of Natural and Applied Sciences (CoNAS) at Sokoine University of Agriculture is a centre of excellence in training, research, and consultancy in the physical and life sciences, information technology, mathematics, and related fields.

The College combines strong academic rigour with a rich institutional heritage. CoNAS is located at the historic Solomon Mahlangu Campus in Morogoro, a site of cultural significance that once served as a base for African National Congress (ANC) freedom fighters from South Africa and is now recognised as a cultural heritage site under the United Republic of Tanzania's Ministry of Information, Culture, Arts, and Sports. This unique setting provides an inspiring environment for learning, research, and innovation.

The College comprises five academic departments: Biosciences; Geography and Environmental Studies; Mathematics and Statistics; Informatics and Information Technology; and Chemistry and Physics. Through these departments, CoNAS offers undergraduate and postgraduate programmes in cutting-edge disciplines including Life Sciences, Environmental Sciences, Climatology, Bioinformatics, Phytochemistry, and Information and Communication Sciences.

Through teaching, research, and consultancy, CoNAS continues to contribute to scientific advancement and national development while preparing graduates for professional practice and innovation in diverse scientific fields.

On behalf of the College of Natural and Applied Sciences, I welcome you to Sokoine University of Agriculture and wish you a successful and rewarding academic journey in natural and applied sciences.

For more information, please visit www.conas.sua.ac.tz or email conas@sua.ac.tz.

Dr. Geofrey K. Karugila
Principal, College of Natural and Applied Sciences

Undergraduate Programmes

The College of Natural and Applied Sciences offers degree programmes that equip students with scientific and analytical skills in fields such as biology, chemistry, physics, mathematics, environmental sciences, records management, information technology and informatics. With a strong focus on research, innovation, and real-world application, graduates are prepared to contribute to scientific advancement, environmental sustainability, and technological development across various sectors.

Bachelor of Science with Education

Majors: Chemistry and Mathematics, or Chemistry and Nutrition, or Chemistry and Geography, or Chemistry and Biology, or Biology and Nutrition, or Computer Science and Mathematics, or Geography and Biology, or Geography and Mathematics

Learning Outcomes:

Graduates of the Bachelor of Science with Education (BSc. (Edu)) will demonstrate sound knowledge of the theoretical and practical foundations of science teaching, education principles, curriculum development, and educational management. They will possess 21st century skills to plan, deliver, and assess teaching using appropriate pedagogical approaches and technology-enhanced systems; analyse syllabuses and educational data; prepare and implement lessons; and guide and counsel students on academic, social, and psychological matters.

Graduates will further exhibit professionalism, ethical conduct, integrity, leadership, and effective engagement with learners, colleagues, parents, and other stakeholders, and will have a solid academic and pedagogical foundation in integrated science combinations, including biology and nutrition, or chemistry and nutrition, or chemistry and biology, or chemistry and geography, or geography and biology, or chemistry and mathematics, or geography and mathematics, or computer science and mathematics.

Career Path and Opportunities:

Graduates of the programme are prepared for diverse careers in secondary and post-secondary education, as well as professional roles in educational administration, assessment, curriculum development, and learner support services. The programme also provides a strong foundation for advanced studies in science and education.

Graduates typically pursue careers as secondary school teachers, college tutors, education officers, curriculum developers, examiners, or engage in professional practice as education consultants, instructional material developers, and related education and research roles.

Bachelor of Science in Information Technology

Learning Outcomes:

Students build a solid IT foundation in programming, databases, networking, AI, ML, entrepreneurship, and digital ethics. Practical training enables system design, app creation, and network optimisation for real-world use.

Career Path and Opportunities:

This programme equips students to become experts in creating, designing, and managing IT systems that solve industrial and societal issues. Graduates can work as Technicians, Systems Analysts, Developers, Network Administrators, Researchers, or Trainers in industries like ICT and finance.

Bachelor of Information and Records Management

Learning Outcomes:

Students learn principles of information and document management, archival practices, and digital security. They develop skills in organising records, data analysis, digital preservation, and library automation, preparing them to manage record centres, create digital libraries, and protect sensitive information.

Career Path and Opportunities:

This programme prepares students to become experts in information and records management, equipping them with skills to handle challenges in information science and manage information assets. Graduates can pursue careers as Record Managers, Knowledge Managers, Archivists, Librarians, and Content Developers in libraries, archives, and media organisations.

Bachelor of Science in Cyber Security and Digital Forensics

Learning Outcomes:

Students acquire knowledge in cybersecurity, digital forensics, and security practices, while developing critical thinking, secure system design, and forensic investigation skills. This comprehensive education prepares them to create secure software and influence cybersecurity policies.

Career Path and Opportunities:

This programme provides students with the skills to address cybersecurity threats and digital crimes. Graduates can pursue careers as Cybersecurity Managers, Trainers, Researchers, and Social Media Analysts in industries such as ICT and finance.

Bachelor of Science in Environmental Sciences and Management

Learning Outcomes:

Students gain expertise in environmental science, pollution analysis, waste management, ecosystem restoration, assessment, water resource management, and research, enabling them to design sustainable solutions.

Career Path and Opportunities:

This programme trains technical specialists to develop solutions for various environmental challenges. Graduates are well-equipped to address issues such as pollution, degradation, and resource management. They can work as Environmental Experts, Officers, Inspectors, or EMS Analysts in government, academia, research, NGOs, and the private sector, focused on sustainability.

Diploma in Information Technology

Learning Outcomes:

Students acquire knowledge in computer hardware, software, networks, databases, and web development. They develop competencies in programming, troubleshooting, and system configuration, equipping them to create software and provide market-ready IT solutions.

Career Opportunities:

This programme trains skilled technicians proficient in IT skills and problem-solving. Graduates can work as Technicians, Systems Analysts, Network Administrators, Database Developers, and IT Trainers across various sectors.

Diploma in Records and Information Science

Learning Outcomes:

Students learn records and information science, including automation, management, and ICT. They gain skills in organising resources, automating registries, and using retrieval tools to manage registries, record centres, and library information hubs.

Career Path and Opportunities:

This programme trains records managers and information scientists for records management and resource automation. Graduates qualify as Records Assistants, Registry Clerks, Library Technicians, Documentation Officers, and Digital Content Assistants in libraries, archives, media, NGOs, and government agencies.

Postgraduate **Programmes**

The postgraduate programmes offered by the College of Natural and Applied Sciences equip graduates with strong research, analytical, innovation and communication skills preparing them to address real world challenges across science, technology, education and environmental fields while supporting sustainable development and ethical practice and enabling leadership roles in academia, industry, government and research institutions.

Master of Science in Applied Information Technology

Learning Outcomes:

Students gain advanced expertise in software design, machine learning, data science, and cybersecurity. They develop skills in IT project management, cloud tools, and secure systems, enabling them to manage projects effectively, create innovative solutions, and share valuable research insights.

Career Path and Opportunities:

This programme trains students to become IT professionals who use digital innovation to solve complex problems, establish IT initiatives, and drive growth in enterprises.

Graduates can pursue careers in IT project management, software development, IT consultancy, data analysis, and cybersecurity across various sectors, including businesses, research, and technology companies.

Master in Science Communication

Learning Outcomes:

Students gain skills in science communication, ethics, research methods, and hands-on experience with visual aids, media, and public engagement. They develop the ability to evaluate strategies and effectively communicate science to diverse audiences.

Career Path and Opportunities:

The programme prepares students to communicate complex scientific ideas clearly and engagingly, encouraging dialogue between scientists and the public.

Graduates can pursue careers as Science Communicators, Content Creators, Media Specialists, Public Relations Officers, and roles sharing scientific knowledge in research institutions, media, and science-related entities.

Master in Archive and Records Studies

Learning Outcomes:

Students develop skills to design records management systems, utilise ICT tools, and address project challenges. By the end of the programme, they possess the knowledge and skills to manage records and archives in various organisations.

Career Path and Opportunities:

This programme trains students to plan, design, manage, and oversee records and archive systems, focusing on sustainable development and efficient practices.

Graduates can become Archivists, Records Managers, Information Officers, Project Managers, Consultants, and archival professionals in public and private sectors, NGOS, and development agencies.

Master of Science in Environmental Sciences, Management and Technology

Learning Outcomes:

Students learn environmental principles, policies, impact assessment, risk analysis, project management, and monitoring tech. Graduates can design pollution control systems, lead projects, and engage with stakeholders.

Career Path and Opportunities:

This programme trains professionals to address environmental issues, management, and technology, focusing on sustainable development and pollution control.

Graduates can work in environmental protection, climate change, policy, and consultancy. Employers include government agencies, NGOs, research institutes, and private environmental firms.

Master of Science in Hydrogeology and Water Resources Management

Learning Outcomes:

Students gain insight into the hydrological cycle, groundwater systems, and the impacts of climate change. They develop skills in monitoring, drilling, and resource assessment, and are prepared to promote effective water governance and create sustainable boreholes.

Career Path and Opportunities:

This programme trains graduates to address water resource challenges, focusing on sustainable groundwater management amid climate change. Graduates qualify as Hydrogeologists, Water Resource Managers, and Environmental Consultants, and can work in water agencies, government, research, and NGOS.

Master of Science in Agrometeorology and Climate Change

Learning Outcomes:

Students acquire an understanding of climate patterns and their impacts on agriculture, thereby gaining expertise in crop management, soil science, and relevant policies. They also enhance their skills in data analysis, soil fertility, and agrometeorological research.

Career Path and Opportunities

This programme addresses the need for agriculture and climate change specialists, focusing on adaptation, mitigation, and their impact. Graduates can become Agrometeorologists, Climate Change Researchers, Agricultural Consultants, and Policy Advisors, working in government, research, NGOs, or agricultural organisations.

Master of Science in Chemistry

Learning Outcomes:

Students gain advanced knowledge in chemistry and develop critical thinking, problem-solving, and innovative analysis skills. Graduates can model chemical systems, communicate data responsibly, and use techniques in research and quality control.

Career Path and Opportunities:

This programme provides advanced chemistry training, preparing graduates for careers in academia, research, and industries such as the chemical, pharmaceutical, environmental, and food sectors. They can work as Scientists, Chemists, Engineers, or Quality Specialists in fields such as pharmaceuticals, research, environmental protection, food safety, and government, or pursue careers in teaching or research.

Master of Science with Education

Majors: Biology / Chemistry / Geography / Mathematics

Learning Outcome:

Graduates of the Master of Science with Education programme will demonstrate advanced knowledge of educational theories, teaching and learning processes, curriculum development, and educational management, and apply this knowledge effectively in Biology, Chemistry, Geography, or Mathematics. They will be able to design, conduct, analyse, and report educational and scientific research, apply scientific inquiry and data analysis for knowledge generation, and integrate ICT and modern teaching technologies in teaching and assessment. Graduates will also demonstrate strong pedagogical competence in lesson preparation and delivery, communicate effectively in written and oral forms, and uphold professional ethics, leadership, counselling, and administrative responsibilities in educational settings.

Career Path and Opportunities:

Graduates of the Master of Science with Education programme are prepared for a wide range of professional roles beyond classroom teaching, including positions in school administration, curriculum development, educational consultancy, educational research, instructional materials development, and teaching in tertiary education institutions. They also have employment opportunities in non-governmental organizations, government agencies, and private sector institutions involved in education, training, and capacity development.

Master of Science in Applied Mathematics

Learning Outcome:

Graduates of the Master of Science in Applied Mathematics programme acquire strong skills in analysing and solving real-world problems using mathematical, computational, and data-driven approaches.

They are able to develop and apply mathematical models in areas such as epidemiology, finance, climate change, ecology, fluid dynamics, and resource management, and to assess the cost-effectiveness and sustainability of proposed solutions.

The programme also equips graduates with the capacity to design, conduct, and report applied mathematics research, use appropriate software tools for data analysis, and evaluate the stability and behaviour of complex biological, environmental, and financial systems.

Career Path and Opportunities:

Graduates of the MSc in Applied Mathematics are equipped with advanced analytical and modelling skills that support optimal decision-making based on available data and resources.

There is growing demand for applied mathematicians in sectors such as finance, public health, ecology, industry, marketing, technology, and agriculture.

Career opportunities include roles as mathematical modellers, data analysts, researchers, and instructors in tertiary education institutions.

Master of Science in Statistics

Learning Outcome:

Graduates of the Master of Science in Statistics acquire advanced knowledge of statistical theory and its application to real-world problems.

The programme develops strong skills in data collection, analysis, and interpretation, enabling evidence-based decision-making and policy development.

Students are trained in modern statistical software and programming tools, including SPSS, R, Maple, and Python, and gain competence in experimental design, data management, and the production of high-quality research outputs.

Graduates also develop expertise in monitoring and evaluation, using statistical evidence to assess project performance and impact, particularly in resource-limited settings.

Career Path and Opportunities:

Graduates of the Master of Science in Statistics programme are well prepared for professional roles as statisticians, data analysts, data scientists, actuaries, researchers, and instructors in tertiary education institutions.

Employment opportunities are available across a wide range of sectors, including agriculture, banking, insurance, technology, biostatistics, clinical research, public health, policy analysis, civil service, and academia..

COLLEGE OF ECONOMICS AND BUSINESS STUDIES

"We have close connections with industry, government, and development partners that offer students valuable practical experience, research opportunities, and a vibrant academic environment dedicated to excellence"

Message from the Principal

The College of Economics and Business Studies at Sokoine University of Agriculture offers a vibrant environment for learning, research, and public service in economics, business, and related disciplines.

The College plays a key role in developing professionals who shape markets, institutions, and economic transformation at national, regional, and global levels.

Academic programmes at the College span core areas, including agricultural economics, agribusiness, trade, finance, investment, banking, and business management. These programmes are delivered through four academic departments: Agricultural Economics and Agribusiness; Business Management; Accounting and Finance; and Trade and Investment.

The College is widely recognised for its strong regional and international standing, interdisciplinary programmes, and experienced faculty. Through close collaboration with industry, government, and development partners, students gain valuable exposure to real-world business environments, applied research, and professional networks that enhance employability and leadership capacity.

The College remains committed to academic excellence, innovation, and public service in support of sustainable economic development.

On behalf of the College, I welcome you to Sokoine University of Agriculture and wish you a successful and rewarding academic journey in economics and business studies.

For more information, please visit www.coebs.sua.ac.tz or email saebs@sua.ac.tz.

Prof. Damas Philip
Principal, College of Economics and Business Studies

Undergraduate Programmes

The College of Economics and Business Studies provides academic programmes designed to prepare students for careers in finance, entrepreneurship, agribusiness, trade, applied economics, and development economics. Emphasising practical application and analytical competencies, graduates are equipped to promote economic through overseeing business enterprises, and contribute to sustainable development initiatives across various sectors.

Bachelor of Science in Agricultural Economics and Agribusiness

Learning Outcomes:

Students develop competencies in agribusiness management, finance, policy, and market analysis, thereby equipping them to effectively address challenges within the sector.

Career Path and Opportunities:

This programme trains Agribusiness Analysts or Market Researchers, leading to roles like Agribusiness Managers or Economists. They can advance to senior positions such as Heads of Policy or Executives in government, research, finance, agribusiness, and international agencies, working as Economists, Policy Analysts, Consultants, Lecturers, or Entrepreneurs.

Bachelor of Agricultural Investment and Banking

Learning Outcomes:

Learners develop practical skills in agricultural finance, investment analysis, and risk management, enabling them to support sustainable growth in rural and agri-financial sectors.

Career Path and Opportunities:

This programme prepares graduates for careers in banks, investment firms, agricultural development, insurance, and international development agencies. They can also pursue academia or start their own enterprises.

Graduates often become Investment Analysts or Agricultural Loan Officers, then progress to Investment Managers or Banking Consultants, and potentially rise to senior management levels.

Bachelor of Accounting and Finance

Learning Outcomes:

Students acquire competencies in accounting, auditing, and financial reporting, while also obtaining practical experience with accounting software.

Career Path and Opportunities:

The programme prepares graduates for careers in finance and accounting, starting from entry roles like Accountants or Tax Assistants to positions such as Financial Managers, Internal Auditors, Financial Officers or Financial Controllers.

Career options include Auditors, Financial Analysts, Tax Consultants, or Finance Officers in the public and private sectors. Employers include banks, Savings and Credits Cooperative Societies (SACCOs), auditing firms, manufacturing companies, government agencies, and academic institutions.

Postgraduate

Programmes

The postgraduate programmes offered by the College of Economics and Business Studies develop strong leadership, analytical, and research skills, preparing graduates to drive growth, innovation, and policy impact in agribusiness, economics, finance, trade, and management. Programmes prepare graduates for senior roles in industry, government, research, academia, and international organisations, with pathways to executive leadership, consultancy, entrepreneurship, and doctoral careers.

Master of Business Administration in Agribusiness (MBA-Agribusiness)

Learning Outcomes:

Learners develop competence in agribusiness management, finance, and policy, along with skills in strategic planning, market analysis, and innovation. They build abilities to lead and improve operations, promoting sector growth and sustainability.

Career Path and Opportunities:

The programme prepares graduates for careers in agribusiness, starting as Analysts or Development Associates. These roles often lead to managerial positions, such as managers, and then to senior roles, including COOs or Executives.

Opportunities exist in firms, financial institutions, research organisations, NGOs, and government. Graduates can also pursue academia or start their own agribusinesses.

Collaborative Master of Science in Agricultural and Applied Economics

Learning Outcomes:

Students acquire proficiency in economic modelling, policy analysis, and research methodologies, thereby empowering them to promote sustainable development, inform evidence-based decision-making, and foster innovation within the agricultural sector.

Career Path and Opportunities:

The programme prepares graduates for careers in agricultural economics and policy, starting as Agricultural Economists or Policy Analysts, then progressing to Policy Advisors, Market Strategists, and leadership roles like Research Directors or Chief Agricultural Economists.

Opportunities include policy advisory, economic research, and agribusiness strategy, in development banks, government, think tanks, research institutions, and universities.

Master of Business Administration (MBA)

Majors: Finance, Marketing, and Human Resource Management

Learning Outcomes:

Students develop strategic and leadership skills that enable them to address complex business challenges, make informed decisions, and drive organisational success.

Career Path and Opportunities:

This programme trains graduates for senior leadership roles, such as Financial Officers, Marketing Officers, and Human Resource Officers, opening paths in finance, marketing, HR, consulting, investment, operations, and strategy.

They find jobs in financial firms, NGOs, and government sectors, supporting growth and strategy.

Master of International Trade and Economic Development (MITE)

Learning Outcomes:

Students learn trade theories, policy negotiation, and development strategies, which enable them to analyse trade laws, evaluate economic impacts, and sustainable international cooperation.

Career Path and Opportunities:

The MITE programme prepares graduates for key roles in international trade and economic development, from Trade Analyst to Policy Advisor and Director of Trade and Development, shaping global strategies.

Graduates can work in trade ministries, international organisations, diplomatic missions, think tanks, and multinationals as Trade Negotiators, Investment Advisors, or Export Development Officers.

Doctor of Philosophy in Agribusiness (PhD-Agribusiness)

Learning Outcomes

Students learn advanced agribusiness research methods to conduct impactful studies that inform policy and guide decisions. They develop analytical and critical thinking skills, preparing them to lead innovation, influence policy, and contribute to sustainable global agricultural solutions.

Career Path and Opportunities:

This programme prepares graduates for careers in research, academia, and policy. They can start as Research Fellows or Lecturers, advance to Directors or Policy Experts, and eventually become Professors, Consultants, or Chief Economists. Opportunities exist in universities, research centres, policy institutes, international agencies, and private firms.

Agribusiness Incubation Centre (SUA–AIC)

The Sokoine University of Agriculture Agribusiness Incubation Centre serves as a premier hub for nurturing youth- and women-led agribusiness ventures in Tanzania.

The centre offers structured training, mentorship, and business development support across key agricultural value chains, including horticulture, aquaculture, livestock, and agro-processing. Through hands-on incubation and enterprise support, the Centre equips emerging entrepreneurs with the skills, tools, and networks needed to transform ideas into viable agribusinesses. The initiative contributes to national goals of job creation, food security, and inclusive economic growth.

COLLEGE OF SOCIAL SCIENCES AND HUMANITIES

"Our diverse undergraduate and postgraduate programmes are designed to prepare students for today's dynamic socio-economic landscape through interdisciplinary, hands-on learning"

Message from the Principal

The College of Social Sciences and Humanities (CSSH) offers a dynamic academic environment where education connects directly with real-world impact. Through diverse undergraduate and postgraduate programmes. The College prepares students to understand and respond to today's evolving social, economic, and policy challenges.

CSSH adopts an interdisciplinary and hands-on approach to learning, emphasising practical engagement and critical thinking. This learner-centred philosophy equips students with the competencies required for sustainable development, effective leadership, and transformational change across communities and institutions.

The College is supported by experienced and multidisciplinary faculty committed to academic excellence within a supportive and mentoring environment.

Academic programmes are delivered through four departments: Development and Strategic Studies; Policy, Planning and Management; Language Studies; and Sociology and Anthropology, each contributing to the College's broad intellectual and professional scope.

The College remains dedicated to nurturing thoughtful leaders, researchers, and practitioners capable of shaping inclusive and sustainable societies.

On behalf of the College, I welcome you to Sokoine University of Agriculture and wish you a successful and rewarding academic journey in social sciences and humanities.

For more information, please visit www.cssh.sua.ac.tz or email cssh@sua.ac.tz.

Prof. Juma S. Kabote
Principal, College of Social Sciences and Humanities

Undergraduate Programmes

The College of Social Sciences and Humanities offers degree programmes aimed at equipping students with competencies in community development, policy analysis, development planning, project management, education, and human resources management. Emphasising practical research and interdisciplinary learning, graduates are specifically trained to address societal challenges and contribute to sustainable development.

Bachelor of Community Development

Learning Outcomes:

Students acquire practical skills in participatory development, rural governance, and sustainable livelihoods, as well as the ability to utilise modern tools to design and manage development projects across diverse contexts.

Career Path and Opportunities:

Graduates pursue careers in community development, NGOs, and public policy, contributing to social change and sustainability.

They work with communities, design programmes, and shape policies for positive change. Often, they work in government, NGOs, international organisations, and community initiatives, promoting inclusive development globally.

Bachelor of Human Resource and Labour Relations Management

Learning Outcomes:

Students gain key skills in human capital, labour relations, legal matters, and conflict resolution for workforce management.

Career Path and Opportunities:

This programme trains graduates for careers in human resource management and labour relations, including roles as Human Resource Assistants, Labour Relations Officers, Human Resource Managers, or Organisational Development Officers. They can advance to leadership positions such as Director of Human Resource, Labour Policy Advisor, or Chief Human Resource Officer.

Opportunities exist in HR departments, unions, and consulting firms, focusing on workforce planning, employee relations, and organisational development.

Bachelor of Arts with Education (English Language and Literature)

Learning Outcomes:

Learners develop strong competencies in English and Literature teaching, curriculum design, and digital education, along with creativity in literary production and effective classroom management.

Career Path and Opportunities:

This programme prepares educators for careers in education, literacy, and curriculum development. They may work as Secondary School Teachers, College Tutors, Education Officers, Curriculum Developers, and Examiners, contributing to teaching excellence and innovation.

Career options also include education NGOs, curriculum bodies, publishing, and roles like Education Consultants, Textbook Authors, or in educational technology to promote literacy and learning.

Bachelor of Development Planning and Management

Learning Outcomes:

Students learn to plan and manage development initiatives strategically, understanding sustainable resource use and participatory governance, enabling them to create inclusive, eco-friendly programmes.

Career Path and Opportunities:

This programme trains graduates in planning, project management, and policy for sustainable, inclusive development.

Career options include Development Planners, Project Managers, Policy Analysts, Sustainability Consultants, Community Development Officers, Monitoring and Evaluation Specialists, Environmental Program Coordinators, NGO Program Managers, Governance Advisors, and Social Impact Analysts.

Graduates work with governments, NGOs, and communities to foster positive change.

Postgraduate Programmes

The postgraduate programmes offered by the College of Social Sciences and Humanities build advanced analytical research and leadership skills, preparing graduates to design manage and evaluate development policies projects and social transformation initiatives. Graduates are equipped for impactful careers in government, NGOs, research institutions, international organisations, and academia, with pathways to senior policy advisory leadership and doctoral roles.

Master of Rural Development Transformation

Learning Outcomes:

Students in the MRDT program acquire advanced skills in data analysis, financial planning, and sustainability assessment, enabling them to design and manage rural development initiatives. They also learn to use tools like statistical software, project cycles, Gantt charts, and logical frameworks for project planning, monitoring, and evaluation.

Career Path and Opportunities:

MRDT graduates often begin as Rural Development Analysts or Program Coordinators supporting community initiatives. They often advance to policy and project advisory roles, then become directors or senior advisors in government or international organisations.

Graduates might also work as Rural Development Officers, Project Coordinators, Policy Analysts, Monitoring and Evaluation Specialists, Development Economists, Research Officers, Sustainability Advisors, or Program Managers in government, donor projects, NGOs, or research institutes.

Master of Project Management and Evaluation

Learning Outcomes:

Students of the MPME programme gain advanced expertise in project design, appraisal, and evaluation. They develop the ability to conduct comprehensive environmental and social impact assessments, positioning them to lead and inform sustainable development initiatives.

Career Path and Opportunities:

This programme trains graduates in project design, appraisal, and evaluation, including conducting environmental/social impact assessments and leading sustainable development. Graduates can become Project Designers, Appraisal Specialists, Evaluation Officers, Environmental Impact Assessors, Social Impact Analysts, Development Planning Advisers, or Sustainability Leaders, supporting sustainable projects.

Master of Development Planning and Policy Analysis

Learning Outcomes:

Students develop strong analytical skills in policy making and evaluation, with a solid understanding of development strategies, enabling them to address challenges and promote sustainability.

Career Path and Opportunities:

This programme trains graduates for careers in policy and development planning. They may begin as Policy Assistants or Analysts, then advance to Policy Advisors or Strategic Planners, and eventually to senior roles like Chief Policy Analysts or Directors.

Graduates can work in government, international agencies, consultancies, and NGOs, contributing to policy, strategy, and programme delivery at different levels.

Master of Translation and Interpretation

Learning Outcomes:

Students develop advanced multilingual translation and interpretation skills, master specialised software, and apply profound cultural insights to provide accurate and high-quality communication across diverse settings.

Career Path and Opportunities:

The Master of Translation and Interpretation programme equips graduates for careers in multilingual communication. Graduates may begin as Translators, Interpreters, or Language Assistants, and advance to roles such as Conference Interpreters, Localisation Specialists, or Heads of Translation Services.

Opportunities include work with international organisations, NGOs, corporations, embassies, media outlets, translation agencies, and freelance or entrepreneurial ventures in translation and interpretation.

MIZENGO PINDA CAMPUS COLLEGE

"We are proud to be among the few in the world and in the country that focus heavily on **Bee Resource Management**, **Tourism**, **Wildlife hunting**, and **Agriculture** — the three pillars essential for global food security, biodiversity, and environmental health."

Message from the Principal

It is with great pleasure and pride that I welcome you all to Mizengo Pinda Campus, a place where passion meets purpose, and knowledge nurtures both nature and the nation.

Mizengo Pinda Campus is proud to be among the few in the country and worldwide that focus heavily on Bee Resource Management, Tourism, Wildlife hunting, and Agriculture — the three pillars essential for global food security, biodiversity, and environmental health.

The programmes offered at Mizengo Pinda Campus are designed not just to educate but to empower. Through practical training, research projects, fieldwork, and collaborations with farmers and researchers, students become innovators, conservationists, and leaders in the fields of sustainable apiculture, tourism, wildlife management, and agriculture.

Mizengo Pinda Campus hosts three academic departments namely the Department of Natural Resources Management and Conservation, the Department of Agricultural Sciences, and the Department of Social Sciences and Information and Communication Technology (ICT).

While education develops the mind by teaching critical thinking, discipline, and knowledge, sports nurture the body and spirit. In the academic year 2024/2025, our college football team won the prestigious Vice Chancellor's Cup, demonstrating our unwavering determination, skill, and teamwork.

You will never regret being part of Mizengo Pinda Campus.

For more information about campus activities, projects, and staff, visit www.mizengopinda.sua.ac.tz or contact us by email at mpc@sua.ac.tz.

Prof. Anna N. Sikira
Principal, Mizengo Pinda Campus

Undergraduate Programmes

Mizengo Pinda Campus offers a wide range of undergraduate programmes focused on beekeeping, crop production and management, tourism, and wildlife hunting. These programmes combine scientific principles with practical training, preparing graduates to implement sustainable methods, increase productivity, and contribute to innovation in Tanzania's agriculture and natural resource sectors.

Bachelor of Science in Bee Resources Management

Learning Outcomes:

Students develop expertise in bee biology, hive management, value addition, and natural resource policy, thereby equipping them to implement innovative beekeeping practices.

Career Path and Opportunities:

This programme trains graduates in apiculture, conservation, and agribusiness, preparing serve as Apiculture Officers, Extension Agents, Researchers, and Entrepreneurs in honey production and processing, pollination services, and conservation. These careers support ecological sustainability and economic growth.

Diploma in Crop Production and Management

Learning Outcomes:

Students acquire skills in crop production, pest management, irrigation, and post-harvest handling through practical training.

Career Path and Opportunities:

This programme trains graduates to enhance sustainable farming and smallholder productivity through expertise in crop management, extension, and agribusiness. Graduates can pursue career in Agriculture Field Officers, Crop Technicians, Extension Agents, and Research Assistants in government, NGOs, and private agribusinesses.

Diploma in Tourism and Wildlife Hunting

Learning Outcomes:

Students develop practical skills in wildlife hunting, taxidermy, customer care, and tourism entrepreneurship.

Career Path and Opportunities:

Graduates support tourism, wildlife, and hunting in public and private sectors. They combine field skills with business expertise, leading to careers as a Tour Guide, Hunting Expert, Taxidermist, or Tourism Entrepreneur. Opportunities exist in TANAPA, TAWA, NGOs, or private firms to make a meaningful impact while following your passion.

Diploma in Bee Resource Management

Learning Outcomes:

Students develop skills in bee biology, hive management, bee products, value addition, and natural resource policy for innovative beekeeping.

Career Path and Opportunities:

Graduates pursue careers in beekeeping, conservation, and agribusiness, thereby advocating for sustainable beekeeping practices and environmental stewardship. Graduates will serve as Beekeeping Experts, Extension Agents, and Entrepreneurs engaged in honey production, pollination services, and conservation initiatives.

SCHOOL OF ENGINEERING AND TECHNOLOGY

"We are committed to nurturing multi-skilled engineers who are prepared to address critical challenges in food security, poverty alleviation, and sustainable development in the face of global issues such as population growth and climate change"

Message from the Dean

The School of Engineering and Technology (SoET) at Sokoine University of Agriculture provides a dynamic environment where innovation is firmly grounded in practical excellence.

The School plays a key role in developing engineers and technologists equipped to address contemporary challenges in agriculture, infrastructure, and food systems.

The School comprises three academic departments: Agricultural Engineering; Civil and Water Resources Engineering; and Food Science and Agro-processing. These departments are supported by modern laboratories and workshops that enhance hands-on learning, applied research, and technological innovation.

The School offers four undergraduate and six postgraduate programmes designed to provide a strong balance between theoretical foundations and practical competence.

Through a learner-centred and problem-solving approach, SoET is committed to nurturing multi-skilled professionals capable of contributing to food security, poverty reduction, and sustainable development.

The School prepares graduates to respond effectively to global challenges such as population growth and climate change through engineering solutions that are innovative, resilient, and socially responsive.

On behalf of the School of Engineering and Technology, I welcome you to Sokoine University of Agriculture and wish you a successful and rewarding academic journey in engineering and technology.

For more information, please visit www.soet.sua.ac.tz or email soet@sua.ac.tz.

Prof. Boniface P. Mbilinyi
Dean, School of Engineering and Technology

Undergraduate Programmes

The School of Engineering and Technology offers degree programmes that train students to design, implement, and maintain technologies in areas such as farm mechanisation, irrigation, agro-processing, and renewable energy. These programmes equip graduates with practical engineering skills to enhance agricultural productivity and support sustainable rural development.

Bachelor of Science in Agricultural Engineering

Learning Outcomes:

Students gain engineering and scientific skills to address agricultural challenges, design sustainable systems, use modern tools, operate machinery, manage enterprises, and apply entrepreneurial skills in agriculture.

Career Path and Opportunities:

This programme trains graduates to apply scientific and engineering skills to agricultural challenges and innovation. Graduates can become Agricultural Engineers, Machinery or Irrigation Specialists, Soil Conservation Experts, Renewable Energy Specialists, or start their own ventures. Career options include designing sustainable systems, operating modern machinery, managing enterprises, and applying entrepreneurial principles to boost productivity and sustainability.

Bachelor of Sceince in Civil Engineering

Learning Outcomes:

Learners gain competencies to resolve engineering challenges, design structures in accordance with industry standards, collaborate across various disciplines, manage projects effectively, and apply entrepreneurial skills.

Career Path and Opportunities:

Graduates are prepared for careers in civil engineering, blending technical skills, project management, and entrepreneurship. They can become Civil Engineers, Structural Designers, Project Managers, Consultants, or Civil Engineering Entrepreneurs. Opportunities include construction firms, consultancy, and government roles, with potential to lead major projects or start independent ventures.

Bachelor of Science in Food Science and Technology

Learning Outcomes:

Students gain a thorough understanding of food production methods, legal regulations, and sustainability principles, allowing them to effectively manage safety and quality standards. They also create nutritious, compliant food products that meet applicable regulatory standards andrequirements.

Career Path and Opportunities:

This programme trains graduates for careers in food science, safety, and innovation, including roles such as Food Technologists, Quality Managers, Safety Specialists, Product Developers, Regulatory Affairs Specialists, and Consultants. Career paths include food manufacturing, regulatory agencies, consultancy, R&D, or food entrepreneurship.

Bachelor of Science in Irrigation and Water Resources Engineering

Learning Outcomes:

Students learn to design irrigation systems, analyse water issues, lead projects, and collaborate across sectors.

Career Path and Opportunities:

This programme trains graduates to manage water resources via technical, analytical, and policy skills. They can become Water Resources Analysts, Irrigation Designers, Policy Advisors, or Water Engineers. Job options include utilities, NGOs, research, consulting, or entrepreneurial ventures in water management and sustainable irrigation.

Postgraduate Programmes

The postgraduate programmes offered by the School of Engineering and Technology equip graduates with advanced technical, analytical, and management skills to design, manage, and optimise land, water, agricultural, and food systems. Graduates are prepared for professional and leadership roles in consultancy, research, industry, government, and policy institutions, with opportunities for innovation, entrepreneurship, and advanced practice in sustainable development sectors.

Master of Science in Land Use Planning and Management

Learning Outcomes:

Students learn to manage land resources at various levels, develop land and climate policies, and communicate effectively on planning issues.

Career Path and Opportunities:

Graduates can pursue careers in land management, planning, and environmental policy, assuming roles such as Land Use Planners, Environmental Consultants, Policy Advisors, Urban Planners, or Independent Consultants.

Job opportunities exist in government agencies, NGOs, community organisations, and independent consultancies in sustainable land and urban development.

Master of Science in Agricultural and Biosystems Engineering

Learning Outcomes:

Students design and operate agricultural machinery to enhance productivity, conduct research and data analysis in agricultural engineering, and manage farm machinery operations and rural energy systems using sound management principles.

Career Path and Opportunities:

The programme helps graduates advance careers in agricultural and biosystems engineering by developing skills in machinery, energy systems, and farm operations.

Graduates may work as Agricultural Engineers, Rural Energy Systems Consultants, Farm Machinery Designers, or Agricultural Systems Researchers.

Opportunities exist in engineering firms, research institutions, government departments, consultancy roles, and in starting independent businesses in the field.

Master of Seience in Irrigation Engineering and Management

Learning Outcomes:

Students design irrigation models for simulation and forecasting, apply scientific methods to solve irrigation challenges, and offer consultancy and research services in irrigation engineering.

Career Path and Opportunities:

The programme helps graduates develop skills in modelling and problem-solving for careers in irrigation, water management, consultancy, and research.

Graduates work in irrigation companies, research institutes, government agencies, and roles related to water policy.

Master of Science in Agricultural and Biosystems Engineering

Learning Outcomes:

Students design and operate agricultural machinery to enhance productivity, conduct research and data analysis in agricultural engineering, and manage farm machinery operations and rural energy systems using sound management principles.

Career Path and Opportunities:

The programme helps graduates advance careers in agricultural and biosystems engineering by developing skills in machinery, energy systems, and farm operations.

Graduates may work as Agricultural Engineers, Rural Energy Systems Consultants, Farm Machinery Designers, or Agricultural Systems Researchers.

Opportunities exist in engineering firms, research institutions, government departments, consultancy roles, and in starting independent businesses in the field.

Master of Science in Food Quality and Safety Assurance

Learning Outcomes:

Learners apply food safety standards, implement food safety management systems (FSMS), conduct audits, and assess risks.

Career Path and Opportunities:

This programme offers graduates advanced skills in food safety, quality, and compliance. They can pursue roles such as Food Auditors, Quality Managers, Regulatory Consultants, or Safety Researchers, helping to develop and enforce food safety standards.

Career options include food manufacturing, regulatory agencies, consultancy firms, and research institutions, enabling graduates to promote public health, compliance, and innovation in the food industry.

Master of Science in Postharvest Technology and Management

Learning Outcomes:

By the end of the programme, Learners optimise postharvest handling and processing, design sustainable systems, and create entrepreneurial solutions.

Career Path and Opportunities:

This programme prepares graduates for advanced careers in post-harvest management, and agricultural engineering. Graduates can become Postharvest Technologists, Grain Storage Managers, Agricultural Engineers, or Sustainability Consultants, working in the food industry, agricultural firms, and research.

They may also create ventures focused on post-harvest and storage, promoting sustainable agriculture and food security.

Master of Science in Food Science and Technology

Learning Outcomes:

By the end of the programme, students are able to conduct research, implement and develop safe, high-quality, and sustainable food solutions.

Career Path and Opportunities:

Graduates with advanced skills in food science, technology, and enterprise management can pursue roles such as Food Scientists, R&D Specialists, Food Technologists, or Enterprise Managers, working in industry, research institutes, or government agencies.

They also have the potential to establish food-related ventures or consultancies, driving innovation, product development, and sustainable growth in the food sector.

SCHOOL OF EDUCATION

"We offer a comprehensive educational experience that prepares you to become a future leader in education, psychology, and related fields"

Message from the Dean

The School of Education at Sokoine University of Agriculture provides a vibrant and inclusive academic environment dedicated to excellence in teaching, learning, and educational leadership.

The School plays a key role in preparing professionals who contribute meaningfully to education, human development, and society at large.

The School is committed to nurturing competent, ethical, and innovative professionals. Its academic programmes emphasise critical thinking, creativity, and innovation, while maintaining strong practical and professional foundations that support effective teaching, learning, and leadership. Building on this foundation, the School offers programmes that equip students with the knowledge, skills, and values needed to address contemporary challenges in education, psychology, and related fields, while preparing them for professional practice and lifelong learning.

The School comprises three academic departments: Educational Psychology and Counselling; Educational Curriculum and Instruction; and Educational Foundation and Management. Each department hosts a range of courses for undergraduate teacher education students across the University.

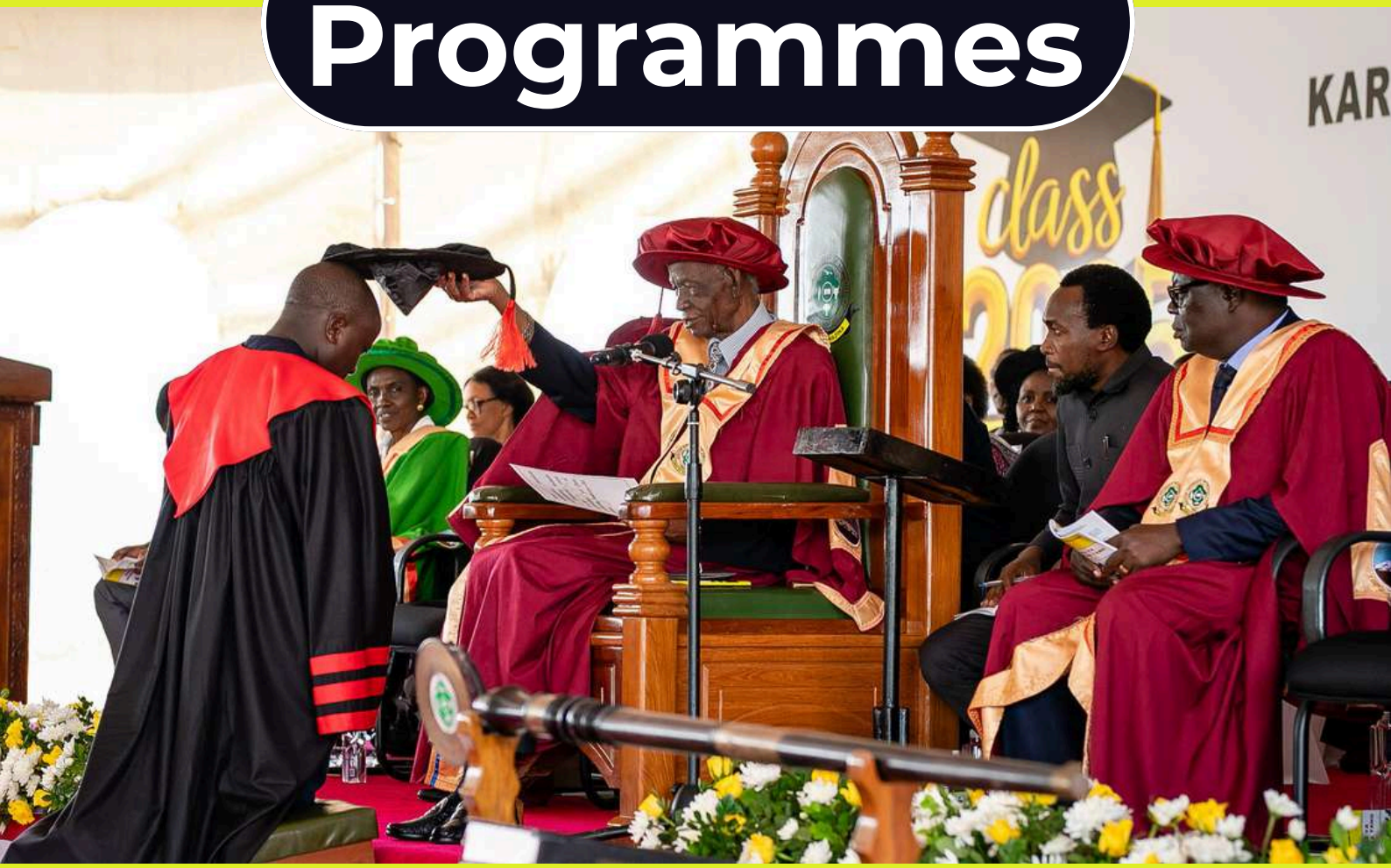
Through a learner-centred and practice-oriented approach, the School of Education remains dedicated to empowering future educators, counsellors, and education professionals capable of shaping transformative learning environments and advancing national development goals.

On behalf of the School of Education, I welcome you to Sokoine University of Agriculture and wish you a successful and rewarding academic journey.

For more information, please visit www.soe.sua.ac.tz or email soe@sua.ac.tz.

Prof. Jamal Athman
Dean, School of Education

Postgraduate Programmes



The School prepare graduates for teaching roles in schools, providing them with the pedagogical knowledge and practical teaching skills needed for effective management and student engagement.

Postgraduate Diploma in Education

Learning Outcomes:

Students gain an overview of pedagogical principles, child development, curriculum studies, and practical teaching, promoting reflective and inclusive practices.

Career Path and Opportunities:

Designed for individuals with backgrounds outside of education, this programme offers a pathway into the teaching profession, equipping graduates with essential knowledge and skills for primary and secondary school teaching.

Graduates can move into roles such as Teachers, Education Administrators, or pursue advanced qualifications in education.

Master of Applied Psychology and Counselling

Learning Outcomes:

By the end of the programme, students develop foundational and advanced skills in therapeutic communication, crisis intervention, and psychological assessment, as well as the ability to apply these skills ethically and with cultural sensitivity.

Career Path and Opportunities:

Designed for those pursuing careers in counselling, mental health, and psychological services in settings like schools, clinics, and businesses. Graduates can become Clinical Psychologists, Counsellors, or Mental Health Consultants.

The programme also provides a pathway to doctoral studies in psychology.

Master of Education in Curriculum & Instruction

Learning Outcomes:

Learners develop advanced skills in curriculum theory, instructional planning, and programme management, with a focus on integrating technology and promoting inclusive educational practices.

Career Path and Opportunities:

The programme is designed for experienced educators looking to deepen their skills in curriculum design, instructional leadership, and education policy development.

Graduates can pursue leadership roles as Curriculum Developers, Education Managers, or Policy Advisors, with options for doctoral - level studies in education.

Master of Education in Educational Management & Administration

Learning Outcomes:

Students develop expertise in governance, strategic leadership, educational policy, and resource management, enabling them to apply evidence-based decision-making and uphold ethical leadership practices within educational and organisational contexts.

Career Path and Opportunities:

Prepares professionals for leadership and management roles within educational institutions, equipping them with the skills needed to lead and administer schools, colleges, and educational systems.

Graduates can pursue positions as School Principals, District Education Officers, or Policy Consultants, with the potential to influence educational practices on a systemic level.

Pre - University Programme

Learning Outcomes:

Students enhance their English language proficiency and technical science skills, enabling them to meet university entry requirements and establish a strong foundation for further academic success.

Career Path and Opportunities:

This preparatory programme helps students transition to degree-level studies in English, providing them with the essential language and academic skills to succeed.

Graduates of this programme gain better access to higher education opportunities and improved career prospects in English-speaking professional settings.

RESEARCH, INNOVATION, TECHNOLOGY TRANSFER, CONSULTANCY AND OUTREACH

Research and Publications

Sokoine University of Agriculture (SUA) is renowned for its research excellence in agriculture, environmental sustainability, climate change, natural resource management, and rural development.

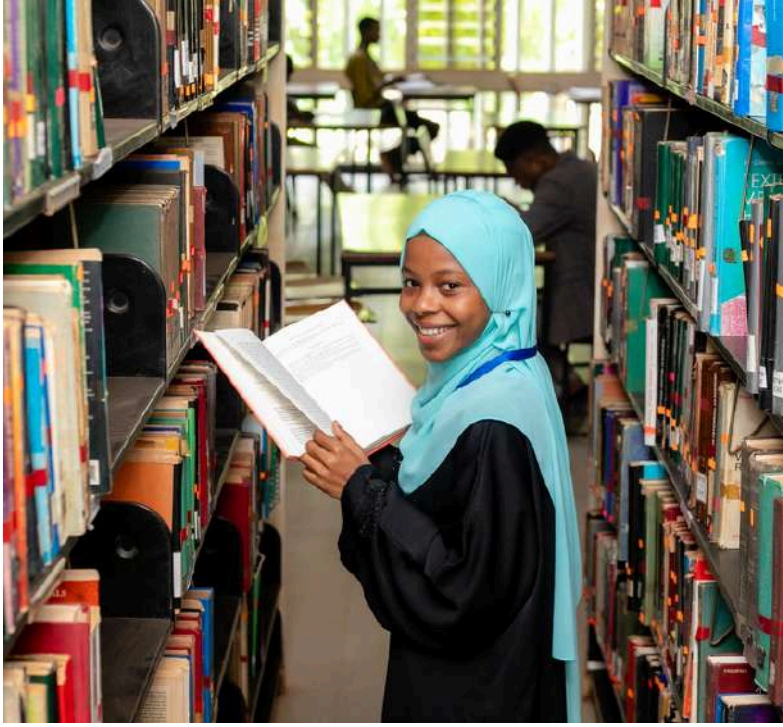
With over 138 active research projects, SUA addresses real-world challenges through cutting-edge studies supported by field stations, modern laboratories, libraries, and digital infrastructure.

The Directorate of Postgraduate Studies, Research, Technology Transfer and Consultancy (DPRTC) coordinates all research activities at SUA.

It ensures alignment with national and global development priorities, promotes interdisciplinary collaboration across colleges and departments, and guides the formulation of research strategies focusing on food security, poverty reduction, and sustainability.

DPRTC supports both faculty and postgraduate students by facilitating access to funding, supervisors, research resources, and ethical clearance procedures. It strengthens research capacity through training, seminars, and workshops on methodologies, grant writing, and publishing.

The Directorate also promotes the dissemination of research findings through conferences, journals, and academic platforms, reinforcing SUA's impact on innovation and development in Tanzania and beyond.




PASTURE
MANAGEMENT UNIT
Guatemala grass
Tripsacum laxum


eppendorf

Technology Transfer

The DPRTC at Sokoine University of Agriculture (SUA) drives the transformation of academic research into real-world solutions, especially in agriculture, rural development, and natural resource management.

It fosters collaboration with government, industry, NGOs, and over 200 global partners to scale innovations and address development challenges.

SUA empowers students and researchers through practical engagement in innovation, leading to the development of impactful technologies, including drought-resistant crops, improved livestock breeds, climate-smart farming practices, post-harvest technologies, and health-monitoring apps such as AfyaData and SmartTb.

The Technology Transfer Office (TTO) ensures innovations are protected and commercialised through licensing, spin-offs, and IP support.

Business incubation centres help translate research into market-ready products, nurturing student entrepreneurship.

SUA also offers expert consultancy in agriculture and rural development to industry and public institutions.

For more information, visit https://www.dprtc.sua.ac.tz or contact us through email drpgs@sua.ac.tz

Institute of Pest Management

The Institute of Pest Management (IPM) at Sokoine University of Agriculture (SUA) is dedicated to advancing research, training, and innovation across agriculture, veterinary medicine, forestry, and public health.

Through its multidisciplinary approach, IPM strengthens Tanzania's capacity to manage pests that threaten food security, animal health, and human well-being.

The institute also collaborates with international partners to develop sustainable, science-based pest management solutions that address both local and global challenges.

Beyond traditional pest control, IPM is a pioneer in biosensor technology for humanitarian applications. In partnership with the **APOPO program**, the institute has trained African giant pouched rats affectionately known as "**Hero Rats**" to detect landmines with remarkable accuracy.

Among them, Panya Magawa and Ronin gained international acclaim for locating over 100 landmines in Cambodia, earning accolades such as the PDSA Gold Medal and a Guinness World Record.

These achievements highlight IPM's innovative contributions to global safety and its commitment to saving lives through science and compassion.

For more information, please contact us through email pestman@sua.ac.tz.


ACE RPM & BTD

SACIDS Foundation for One Health

The SACIDS Foundation for One Health is a leading African initiative hosted by Sokoine University of Agriculture (SUA).

Established in 2008, SACIDS brings together universities and national research institutions across Southern and Eastern Africa to strengthen the continent's ability to detect, identify, and manage infectious diseases in humans and animals, including antimicrobial resistance.

It operates as a World Bank–designated Africa Centre of Excellence for Infectious Diseases, focusing on a One Health approach that integrates human, animal, and environmental health. Its dual focus includes cutting-edge research and capacity development, alongside outreach and policy support.

SACIDS has developed digital surveillance platforms, such as AfyaData, to detect outbreaks at the community level and supports research training through MSc, PhD, and postdoctoral programmes.

It also hosts the RSIF-PASET PhD Programme in Food Security and Agribusiness, leveraging a community-of-practice model that connects scholars with senior researchers across Africa and beyond.

With over 460 scientific publications and a wide network of collaborators, SACIDS continues to play a transformative role in public health research and innovation across Africa.

For more information, visit https://sacids.sua.ac.tz or contact us through email secretariat@sacids.org


MAGPIX
XMAP
APC

Institute of Continuing Education

The Institute of Continuing Education (ICE) at Sokoine University of Agriculture (SUA) assumes a pivotal role in providing outreach services—an integral component of SUA's mandate.

ICE advocates for and oversees the dissemination of validated innovations, knowledge, and technologies to a diverse array of stakeholders in agriculture and allied sectors.

Through collaborative, multidisciplinary teams drawn from across SUA's Colleges, Directorates, Institutes, and Centres, ICE facilitates ongoing community education, extension services, and bespoke outreach initiatives.

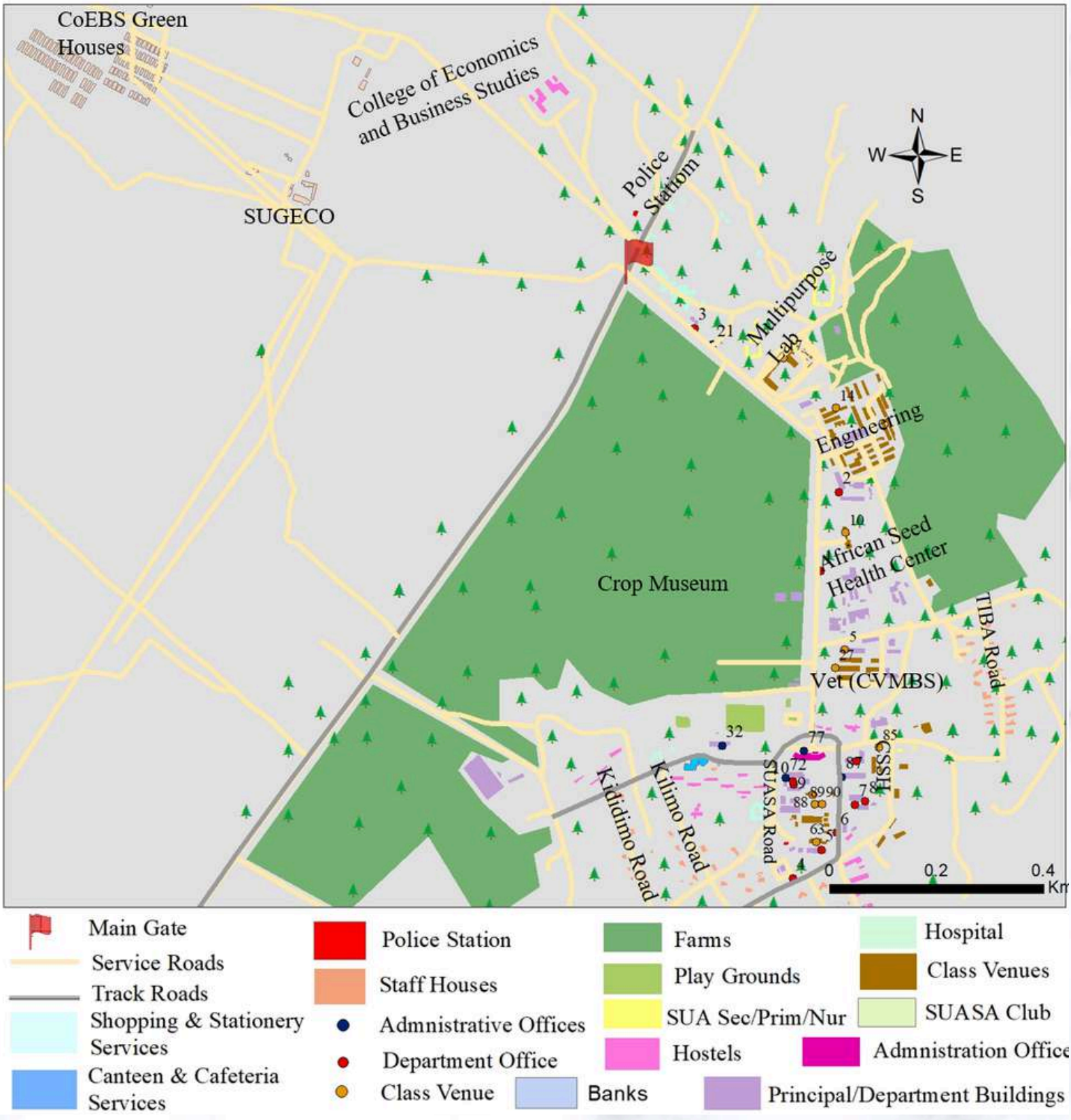
It designs and implements customised short courses tailored to clients, including farmers, extension officers, entrepreneurs, development practitioners, in-service professionals, and individuals preparing for retirement.

Moreover, ICE provides modern conference facilities accompanied by catering and accommodation services, establishing itself as a nexus for professional development and lifelong learning.

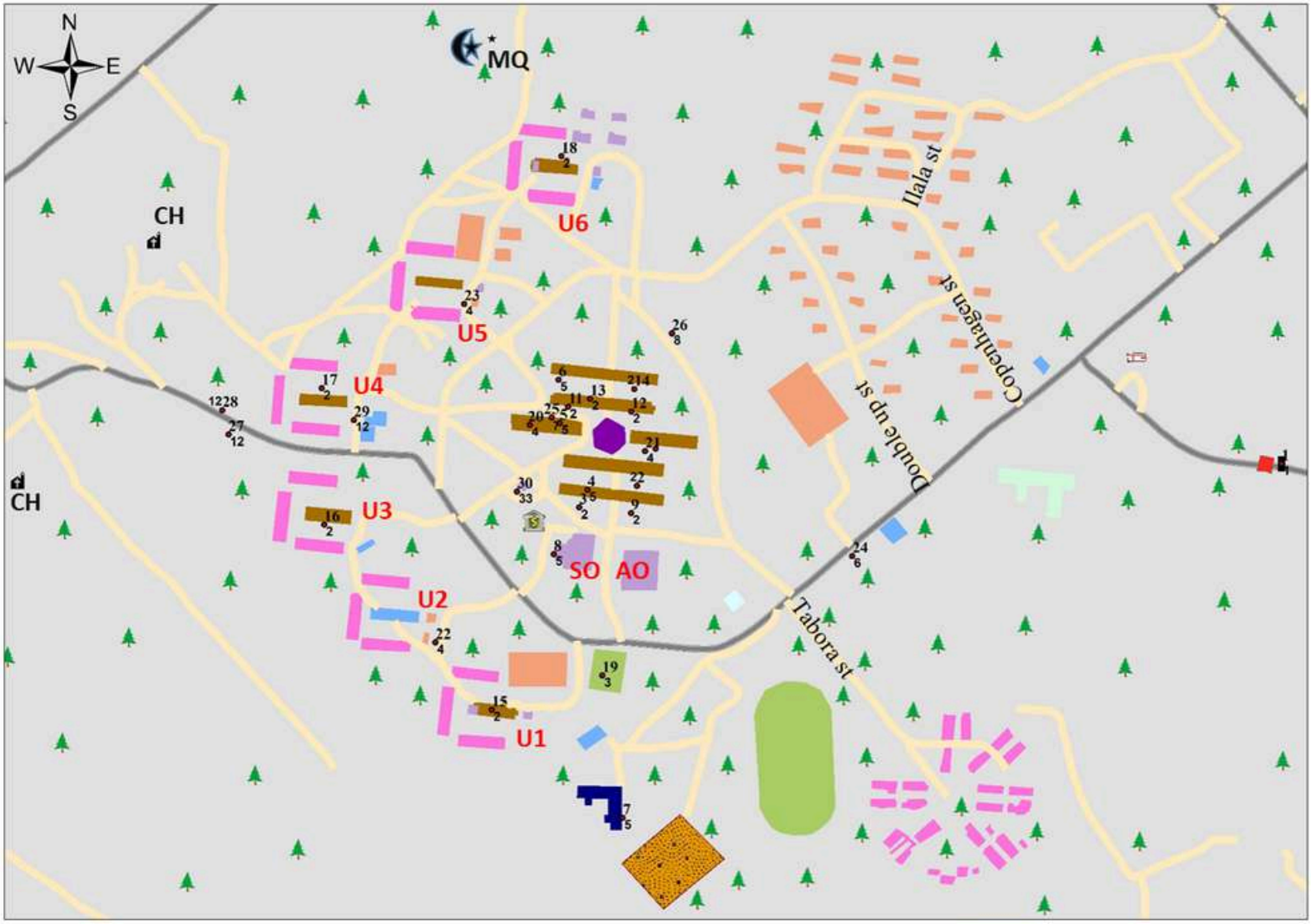
For more information, visit https://www.ice.sua.ac.tz or contact us through email ice@sua.ac.tz

ADDITIONAL INFORMATION

Edward Moringe Campus Map



Solomon Mahlangu Campus Map



Legend

- Chemistry New Lab
- Service Roads
- Shopping & stationery Services
- Canteen & Cafeteria Services
- Police Station
- Social Services
- Track Roads
- Bridge
- Staff Houses
- Football pitch
- Cemetary
- Basketball court
- Streets
- Admnistrative Offices
- Nelson Mandela Freedom Square
- Hospital
- Hostels
- Class Venues

Key Contact Address

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Email: communicationandmarketing@sua.ac.tz

Students Welfare and Administration Department
P.O Box 3033, Chuo Kikuu
Email: dos@sua.ac.tz

Online Resources

Admission & Applications

Online Application & Admission System: https://www.sua.ac.tz/apply
Regulations (Undergraduate): https://www.dus.sua.ac.tz/regulations
Regulations (Postgraduate): https://www.dprtc.sua.ac.tz/regulations
Student By-Laws: https://www.dos.sua.ac.tz/by-laws

Fees & Academic Information

Undergraduate Fees: https://www.sua.ac.tz/fees/undergraduate
Postgraduate Fees: https://www.sua.ac.tz/fees/postgraduate
Academic Calendar (Almanac): https://www.sua.ac.tz/almanac
University Policies: https://www.sua.ac.tz/policies

Colleges

Agriculture: https://www.coa.sua.ac.tz
Veterinary Medicine and Biomedical Sciences: https://www.cvmbs.sua.ac.tz
Forestry, Wildlife and Tourism: https://www.cfwt.sua.ac.tz
Economics & Business Studies: https://www.coebs.sua.ac.tz
Natural & Applied Sciences: https://www.conas.sua.ac.tz
Social Sciences & Humanities: https://www.cssh.sua.ac.tz
Mizengo Pinda Campus College: https://www.mizengopinda.sua.ac.tz

Schools

Engineering & Technology: https://www.soet.sua.ac.tz
Education: https://www.soe.sua.ac.tz

Centres & Institutes

SACIDS Foundation for One Health: https://sacids.sua.ac.tz
Institute of Pest Management (ICE): https://www.ice.sua.ac.tz
Pest Management Institute: https://www.ice.sua.ac.tz

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BRIGHT FUTURE IS YOURS

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