



Empowerment for Sustainable Development

PROSPECTUS

2014-2015



MISSION

To generate, disseminate and apply knowledge while sustaining excellence in teaching, learning and research

VISION

A world class University in socio-economic and technological advancements

PHILOSOPHY

Creative, dynamic and responsive

MOTTO

Shajiisho la maendeleo endelevu (Empowerment for sustainable development)

CORE VALUES

Some of our core values include but not limited to:-

- Excellence in Service delivery
- Integrity and Honesty
- Transparency and Accountability
- Responsive to Community social needs
- Respect and encourage Creativity and Innovation



Contents

KILIFI TOWN AND ITS ENVIRONS

Economy and Population

Kilifi Town

Mnarani Ruins

GENERAL INFORMATION ABOUT PU

MESSAGE FROM VICE-CHANCELLOR

WHY STUDY AT PU

YOUR PROSPECTS

Admissions

Student Support Services

SCHOOLS OF THE UNIVERSITY

SCHOOL OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES (SAES)

Diploma in Animal Health Management

Bachelor of Science (Animal Production and Health Management)

Bachelor of Science (Environmental Science)

Bachelor of Environmental Studies (Community Development)

Bachelor of Environmental Planning and Management

Bachelor of Science (Integrated Soil Fertility Management)

Master of Science (Integrated Soil Fertility Management)

Master of Science (Livestock Science)

Doctor of Philosophy in Animal Science

Doctor of philosophy in Crop Science

SCHOOL OF EDUCATION (SED)

Certificates in Early Childhood Education

Diploma in Agriculture Education and Extension

Diploma in Primary Education

Bachelor of Education (Arts)

Bachelor of Education (Early Childhood Education)

Bachelor of Education (Science)



- Bachelor of Education (Primary)*
- Bachelor of Education (Special Education)*
- Bachelor of Science (Agriculture Education and Extension)*
- Master of Education (Curriculum Development)*
- Master of Education (Mathematics and Sciences Education)*
- Master of Education (Special Needs Education)*
- Master of Science (Agricultural Education)*
- Master of Science (Agriculture Extension)*
- Master of Education (Administration)*
- Master of Education (Planning)*
- Master of Education (Economics)*
- Masters of Education (Mathematics And Sciences Education)*
- Masters of Education (Curriculum Development)*

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES (SHSS)

- Diploma in Hospitality & Tourism Management*
- Bachelor of Commerce*
- Bachelor of Science (Food, Nutrition & Dietetics)*
- Master of Arts (Sociology)*
- PhD (Sociology)*



SCHOOL OF PURE AND APPLIED SCIENCES

Bachelor of Science (Biochemistry)

Bachelor of Science (Chemistry)

Bachelor of Science in Environmental Health

Bachelor of Science (Industrial Chemistry)

Bachelor of Science (Computer Science)

Bachelor of Science in Nursing and Public health.

Bachelor of Science in Nursing (RN-BscN Upgrading)

Bachelor of Science (Botany/Zoology Major with Mathematics/Chemistry)

Bachelor of Science (Marine Biology and Fisheries)

Bachelor of Science (Microbiology)

Master of Science (Microbiology)

Master of Science (Fisheries)

Master of Science (Biochemistry)

Master of Science (Biotechnology)

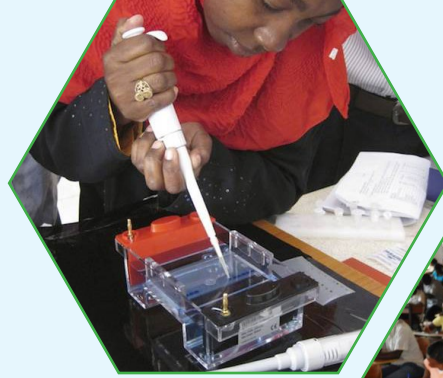
Master of Science (Chemistry)

Masters in Public Health

PhD in Biochemistry

PhD in Biotechnology

PhD in Chemistry



Welcome to Pwani
Karibu Pwani

Kilifi

Town and Its Environs

Pwani University is proud to be the **only Kenyan Public University at the Indian Ocean Beach. Built in Kilifi County, which covers an area of over 12,464 sq. km including 109 sq.km of water surface in the Indian Ocean, it's no wonder every Kenyan wants to be associated in one way or another with PU.** The area around Kilifi

Township contains some of the best farming land in the district, where livestock rearing and tropical fruit farming are the dominant activities. Kilifi Town is situated on the Kenyan coast about 60 km north of Mombasa. It is a small town of around 10,000 people. The University and town itself are on the north side of the bridge with some residen-

tial areas in Mnarani to the south of the bridge. It has a reasonable range of shops for basic supplies, a post office and nine banks (Barclays, National Bank, KCB, Equity, Imperial, DTB, PostBank, Cooperative Bank and KWFT). To the south is Mombasa District, to the north Malindi, Tana River and Lamu districts, to the west TaitaTaveta whilst to the east lies the cool Indian Ocean.

Kilifi County has four major topographical features. These are the Coastal plains, the Foot Plateau, the Coastal Range and the Nyika Plateau. The Coastal Plain is a narrow belt, varying in width between 3 km. and 20 km. It lies below 30m above sea level except for occasional prominent peaks on the western boundary. Creeks break the rest of the area and



estuaries giving rise to excellent marine and estuarine swamps, with mangrove forests and untapped potential for marine culture, Kilifi lies in this strip.

The narrow coastal belt receives an average annual rainfall of about 900mm to 1000mm. The pattern of rainfall in Kilifi District is bimodal. The long monsoon rains fall from April to June with a peak in May. The short rains, on the other hand fall from October to December. Apart from monsoon rains the other dominant feature of the weather along the coastal strip is the heat, temperatures range from a minimum of 21°C to 32°C.

If it's not the turquoise calming waters of the Indian Ocean and the pristine sandy beaches, then it's the historical sites, sociable locals and the accommodation ranging from colonial rustic to modern luxury that will lure you to the breezy town of Kilifi on your next visit to the Kenyan coast.



Economy and population

The two primary forms of economic activity in the County are agriculture and tourism. The county is endowed with many tourism attraction sites, which includes; white sandy beaches in Malindi, Watamu, Kilifi and Mtwapa. Historical sites in Gede, Malindi, Takaungu, Mnarani and Rabai that date back to the slave trade period. Other tourist sites include Kaya forests, Marafa Hell kitchen, Bore Valley, MekatililiWa-Menza, Kapangani Rock and Sabaki Estuary in Magarini and mangrove swamps that attract both local and international tourists.

The county provides good opportunities for sport fishing and marine research especially for rare breeding grounds of special fish like Tewa. The county also has the ArabukoSokoke Forest reserve, Malindi Marine National Park, Watamu Marine National Reserve and Kuruwitu Marine area as major attractions. The Vipingo Ridge golf course and Malindi airport and Kijipwa airstrip are key components of tourism sub-sector.

The population of the county was estimated to be 1,217,892 in 2012 as projected in the Kenya Population and Housing Census of 2009, comprising 587,719 males and 630,172 fe-

males. The county has an inter-censual growth rate of 3.05 per cent, which is higher than the national population growth rate of 2.9 per cent per annum. The population is projected to rise to 1,336,590 and 1,466,856 in 2015 and 2017 respectively.

Over 80% of the population is drawn from the Mijikenda group (nine tribes). The Mijikenda are a grouping whose Bantu languages are to a large extent mutually intelligible and closely related to Swahili. They are believed to have arrived in their present homelands in the seventeenth century from a quasi-historical state called Shungwaya. This centre was probably located in southwest corner of present day Somalia. The group is comprised of the Giriama, Digo, Rabai, Ribe, Duruma, Chonyi, Jibana, Kauma and Kambe. The Giriama and Digo are the largest and best-known sub-groups.

Kilifi Town

Set amidst a backdrop of a most stunning white sandy beach, a startlingly beautiful blue and emerald creek and a magnificent coral reef, Kilifi is an ancient coastal Swahili town, midway between Mombasa and Malindi on the North Side of the creek, about 58 kms from Mombasa International Airport. It is steeped in history and African Culture, famous for the ancient Mnarani ruins dating back to 14th century and the elegant friendly Giriama people. The soft white sandy beach at Kilifi is a haven for sun worshipers and stretches for miles. Known as 'Bofa Beach', it is said to be the finest beach along the Kenya Coast and one of the most idyllic in the entire world. It is protected by a magnificent coral reef, un-spoilt and practically deserted; being well away from the crowded beaches of the tourist hotels near Mombasa and along the South Coast. Kilifi is the first town north of Mombasa about halfway to Malindi. There is a nice beach in Kilifi, although it's a bit hard to get to. While you're there, check out the well-preserved Mnarani ruins overlooking Kilifi Creek.

Shopping Facilities at Kilifi include a Supermarket, Banks, Post Office, General Stores, Chemist, Local Craft Shops, Rugmaking, a Daily Fruit and

Vegetable Market and a few excellent Restaurants in and around the area. A local Farm Shop stocks fresh supplies of milk, meat and day-to-day produce.

One of the most delightful ways to see the beauty of Kilifi Creek is to take a dhow trip. The small Swahili kijahazi dhows criss cross the creek visiting the tiny bays and inlets and provide a wonderful vantage for photographing the mass of birdlife and scenic surroundings. Regular 'sundowner' trips are a great favourite with the local residents and visitors to Kilifi.

Recreational activities in Kilifi include: Scuba Diving, Snorkelling and Game Fishing. The vast coral reef with fresh water entering from the creek offers amazing opportunities for Snorkelling and Scuba Diving. The open Indian Ocean behind the reef is the ideal place for World Class Big Game Fishing.

Mnarani Ruins



Overlooking Kilifi Creek from the Southern side, some 200 metres from the Mombasa Road, you will find the old ruins of Mnarani, an ancient coastal settlement dating back to the early 14th Century. The site consists of two mosques and a group of tombs. The first mosque was not built until about 1425 although the area was first settled in the early 14th Century. The smaller second mosque that remains was built in about 1500, however, there was another mosque that was built before it on the same site around 1475. Mnarani was destroyed by the warring Galla people in the early 17th century. Also at the site of the ruins you will see the largest baobab tree on the Kenya coast. A large hole has been made in the side of the tree where local people leave offerings. Many people visit this peaceful site to meditate and to picnic.

One of the most delightful ways to see the beauty of Kilifi Creek is to take a dhow trip. The small Swahili kijahazi dhows criss cross the creek visiting the tiny bays and inlets and provide a wonderful vantage for photographing the mass of birdlife and scenic surroundings. Regular 'sundowner' trips are a great

favourite with the local residents and visitors to Kilifi.

Overlooking Kilifi Creek from the Southern side, some 200 metres from the Mombasa Road, you will find the old ruins of Mnarani, an ancient coastal settlement dating back to the early 14th Century.

This previously sleepy fishing town is now one of the most popular tourist destinations along Kenya's coast but maintains a quaint unassuming character. The town sits on the Goshi estuary of the Goshi River and is linked by the Kilifi Bridge; with Mnarani on one side and the main Kilifi town on the other. The beach in Kilifi is known as Bofa Beach and is said to be one of the most beautiful stretches of white sand along the Kenyan coast.

With an estimated population of 44,257, Kilifi hosts residents on many ethnicities from different parts of Kenya and expats primarily from Germany, Italy and the UK. The dominant tribe here, however, is the Mijikenda (mainly Giriama and Chonyi) owing to the historical placements that occurred during the

Mnarani Ruins

times of Arab traders.

Kilifi District covers an area of over 12,464 sq. km including 109 sq.km of water surface in the Indian Ocean. The area around Kilifi Township contains some of the best farming land in the district, where livestock rearing and tropical fruit farming are the dominant activities. Kilifi is also the major centre of clinical and epidemiological research into Malaria, conducted by the Wellcome Trust and KEMRI the Kenya Medical Research Institute.

The soft white sandy beach at Kilifi is a haven for sun worshipers

and stretches for miles. Known as 'BofaBeach', it is said to be the finest beach along the Kenya Coast and one of the most idyllic in all the world. It is protected by a magnificent coral reef, unspoilt and practically deserted; being well away from the crowded beaches of the tourist hotels near Mombasa and along the South Coast. Shopping Facilities at Kilifi include a Supermarket, Banks, Post Office, General Stores, Chemist, Local Craft Shops, Rugmaking, a Daily Fruit and Vegetable Market and a few excellent Restaurants in and around the area.

General Information

Who we are?

The predecessor to Pwani University, Kilifi institute of agriculture was started when the foundation stone was laid in 1984 by the then president Daniel Arap Moi. The first intake of 200 students for the two-year certificate course in agriculture and home economics was in July 1987. By 2007, Kilifi institute of

agriculture had graduated 3,837 students. The institute also hosted a number of masters and PhD research students from other national universities who did their research projects at the institute. The outreach programmes by the institution also offered avenues for technology transfer to the surrounding communities.

The University has three (3) major divisions headed by Deputy

Vice Chancellors. These are: a) Academic and Students Affairs, b) Administration, Finance and Planning and c) Research and Extension. The Academic and Students Affairs division regulates academic matters in the schools and their departments or sections. The university currently has five (5) schools headed by deans. These are: a) School of Agricultural and Environmental sciences, b) School of Education, c) School of Humanities and Social sciences, d) School of Pure and Applied sciences, and e) The school of Graduate studies.

The university admitted its first cohort of degree students on 29th October 2007 and currently, the university has over 6,200 students taking courses in agriculture, science, arts, education, environmental sciences, humanities, business studies, and hospitality and tourism.

Pwani University was awarded a Charter on 31st January 2013. It is one of the two fully-fledged Public Universities in the Coast of Kenya. Pwani University is strategically located in Kilifi Town right in the heart of Coast province. Its unique location gives PU the strategic position of being the only public University in

Kenya on the Beach to serve the whole of Coast Province hinterland from Vanga in the South, to Lamu in the North covering major towns of Diani, Likoni, Kilifi, Malindi, Garsen, Hola all the way to Lamu; and from the East at Mtwapa all the way to the West in Mariakani, Voi and its environs. It is the only institution that has the requisite physical and human resources to teach Tropical Agriculture from Certificate, Diploma to Degree courses. Due to the comparative advantage it has as a result of its location, Pwani University is determined to be a centre of excellence for research in the areas of Marine Sciences and Oceanography, Coastal and Dry Land Agriculture, Coastal Culture, Art and Languages and Tropical Medicine.

Pwani University is situated in Kilifi, a scenic resort town about 60 km north of Mombasa and adjacent to the Indian Ocean. The location of Pwani University serves as a motivator to the local population where everyone is inspired to pursue higher education.

Vision

To be a world class University in socio-economic and



technological advancements.

Mission

To generate, disseminate and apply knowledge while

sustaining excellence in teaching, learning and research.

Philosophy

To be creative, dynamic and responsive

THE UNIVERSITY COUNCIL

IN EXERCISE of the powers conferred by section 36 (a) and (d) of the Universities Act, 2012, the Minister for Higher Education, Science and Technology appointed the following persons to be members of Pwani University Council for a period of four (4) years, with effect from the 4th February, 2013.

- **Francis K. Arap Sang (Prof.)** - Chairperson
- **Delilah Kadzo Ngala** - Member
- **Simon Kamunde Larama (Dr.)** - Member
- **Anne Marie Nyamu** - Member

Also, the following two members have been appointed effective from 31st July 2013 for a period of four (4) years.

- **Joseph M'Limbiine Gitonga** and
- **Eunice Muthoni Munyi**

Section 36 (b), (c), and (e) of the Universities act, no 42 of

2012 provides that the following members shall be members of council of public universities:

- The Principal Secretary in the Ministry for the time being responsible for the university education.
- The Principal Secretary in the Ministry for the time being responsible for the Finance.
- The Vice-Chancellor shall be an ex-officio member of the Council.

The functions of the University Council are described in the university charter and the Universities Bill 2012.

The Management Board of the University

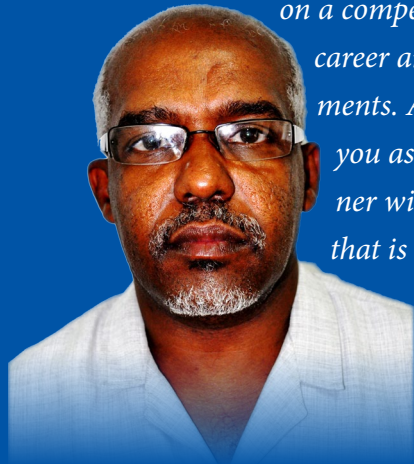
The Management Board of the University which assists the Vice-Chancellor in the day to day running of the University consists of the following:

1. **Prof. Mohammed S. Rajab** Chairman/Vice-Chancellor
2. **Prof. Mwakio Tole** Deputy Vice-Chancellor (Administration, Finance & Planning)
3. **Prof. James H. P. Kahindi** Deputy Vice-Chancellor (Academic & Students Affairs)
4. **Prof. Muniru K. Tsanuo** Deputy Vice-Chancellor (Research & Extension)
5. **Mr. Juma Mwachihi** Registrar (Administration, Finance & Planning)
6. **Mr. Nicholas Malau** Registrar (Academic and Students Affairs)
7. **Dr. Mkuzi Hemedi Saha** Registrar (Research and Extension)
8. **Mr. Robert Abungu** Deputy Registrar (Academic Programmes)
9. **Mr. Abdulrahman Mwinyifaki** Deputy Registrar (General Services)
10. **Mr. Samuel Mwai** Finance Officer
11. **Mr. Chris Khaemba** Legal Officer
12. **Mr. Ronald Juma** Dean, Students Affairs
13. **Mr. Michael Wanyonyi** Ag. University Librarian



Message from Vice-Chancellor

*W*elcome to Pwani University. We are a leading powerhouse of knowledge in this region. As you go through this prospectus, you will discover how we at Pwani University have single-mindedly devoted ourselves to responding to your educational needs and seek to partner with you by putting you on a competitive scale in regard to your career and personal development requirements. At Pwani University we recognize you as a modern student seeking to partner with an educational service provider that is sensitive to your aspirations and is accountable in providing you with good returns for educational investments.



Prof. M. S. Rajab

With a student population of 4777, a highly trained academic

staff of 165 professionals, and a support staff of 290 Pwani University will offer you a vibrant academic community for whom your dreams matter and your success is our core business.

We very much hope that you decide to join this thriving community not only to benefit from the great opportunities it offers but also to contribute to its vibrancy, becoming part of an educational legacy of a truly world class University.

Why Study at PU

A Unique setting

When it comes to higher education, Pwani University is your best choice. The University is increasingly popular with applicants, attracting Certificate, Diploma, Undergraduate and Postgraduate students each year.

Studying at Pwani University provides you with a peaceful, serene environment away from the crowded and busy city life making it an ideal location for studying. The Campus is only a short drive away from the city centre of Kilifi Town; therefore one can enjoy life in campus and still be within close proximity to the town.

Campus Life

The University provides you with the opportunity to experience the best student life that is truly incomparable. Life at the campus is vibrant. On Friday, Saturdays and Sundays you are



bound to find activities to suite your taste from religious activities, to secular music within the campus area, games, swimming activities etc. There are also many clubs and societies available to choose from.

Students with Special Needs

Pwani University welcomes applications from students with special needs. We are committed to ensuring that as a student with special needs, you take full part in academic and social life of the campus as conveniently as possible. We are able and willing to address your needs and offer relevant advice. We continue to work tirelessly towards providing an accessible environment.

Our facilities

The University has a wealth of studying and living facilities, you will find among others, a huge modern library, cyber cafés for internet access, e-learning facilities, computer labs, a farm shop, catering unit and a health unit. We have safe, supportive and efficient support network.

Campuses

The student population of Pwani University is expected to increase in the



next few years; therefore we need to position ourselves to meet this challenge. We anticipate that student numbers will increase to 12,000 by 2024 to be spread across 5 campuses of the Pwani University System (Kilifi -7,200; Mombasa -1,200; Malindi -1200; Lamu -1200, Kwale -1200), and taking various courses.

The University Library

The PU Library provides high quality information services and resources that support students and staff in all academic and research Programs in the univer-

sity. It houses a collection of over 70,000 volumes of most recent literatures on a wide range of subject areas as well an e-collection of academic databases making it the ideal knowledge resource. In the recent past, the library has experienced tremendous growth in ICT applications and systems.

Automated Library System

PU Library is fully automated using a leading Open Source library management system (KOHA). With the automated system in place, the library has



achieved efficiency in cataloguing the large collection of books and streamlining acquisition procedures for new resources.

In addition, automated circulation system ensures efficient borrowing and returning of books. Using the new system individuals can access the library catalogue from the comfort of their offices, classrooms and home as long as they have Internet connectivity.

Online Public Catalogue (OPAC)

The online Public Catalogue (OPAC) helps users identify items in the library's collection including books, audio-visual materials and journal titles. It also offers personalized accounts to registered users where they can renew borrowed books online, do reservations, see their borrowing and reading histories, make purchase suggestions and receive email alerts when borrowed books are overdue. PU library catalogue is available on this link <http://maktaba.pu.ac.ke>

The Electronic Resources

Besides providing a large and diverse print collection, Pwani University subscribes to a number of worldwide electronic databases, which give access to thousands of electronic journals and e-books. Furthermore, the library offers Interlibrary Document Exchange Service called Network Inter-Library Document Exchange (NILDE). The NILDE service is made possible through the cooperation between Pwani University and University of Pavia and S. Matteo Foundation of Italy. This service enables PU members to access journal articles and book chapters held in over 700 University and research libraries in Italy.

Institutional Repository (IR)

E-Space meaning electronic space is the Pwani University Open Access Institutional Repository (IR). The library maintains this service and its major objective is to increase visibility of Pwani University's research output. The IR collects and maintains intellectual writings such as published journal articles, conference papers and proceedings, theses and dissertations, and



other scholarly works by Pwani University faculty and students. Submissions of Full text research articles and Electronic Thesis and Dissertation (ETDs) are governed by Pwani University Electronic Thesis Submission Policy registered in the worldwide Registry of Open Access Repositories Mandatory Archiving Policies (ROARMAP). Library users can access IR on the Pwani University website.

The Exam Bank

The Past Examination Papers Databank (Exam Bank) is an online platform used in collecting, organizing, preserving and distributing past exam papers in digital format. Past exam papers from PU can be accessed electronically and downloaded in PDF format. Access to exam papers has is easier and more convenient. The exam bank is accessible via the intranet.

User Awareness

The library has a user awareness campaign strategy to inform users of the new web services and ensure constant communication with the users. Library has active Facebook page [pwaniuniversitylibrary@facebook.com](https://www.facebook.com/pwaniuniversitylibrary) and a twitter account @pwani-unilibrary to better communicate with the library users.





Future Activities for the Library

In the coming years the library will keep on following national and international best practices in library management to ensure that excellent services are offered to our users.

Some of the activities identified for the coming year includes providing remote access to library electronic resources and ensure that these resources can be accessed both on campus and off campus. In addition, the library will organize workshops various aspects such as effective use of eResources, Open Source reference management software, plagiarism detection and Open Access publishing.

ICT services

ICT department Operations involve daily operational activities needed to manage Pwani University ICT infrastructure. Over recent time information has become the most important strategic resource that any organization has to manage. Pwani University recognizes that ICT Services are crucial, strategic, organizational assets and it is investing appropriate levels of resource into the support, delivery and management of these critical ICT Services and the ICT systems that supports those The ICT department operations cover the following areas:-

- ICT Manpower Planning and Deployment



- Training and Development
- Issue Management
- Disaster Recovery
- ICT Business Continuity
- Software Development and Version Control
- Changes to Existing Programs and Data
- Third Party Services
- Mobility
- Configuration Management

Second Largest Data Centre in the Coastal Region

The data centre is home to the computational power, storage, and applications necessary to support an enterprise business. The data centre infrastructure is central Pwani University ICT architecture, from which all content is sourced or passes through.

The Pwani University data centre provides enough capacity to support all the necessary ICT functions of University. This data centre has the capability to host all the Pwani University library portals and e-learning programmes for the next five years.

Implementation of ICT Standards

Pwani University recognizes the importance of ICT deployment in its operations to enhance efficiency, information sharing and service delivery. As the adoption of ICT increases in various Pwani University departments, we have ensured that ICT deployment cost is reasonable, ICT systems are secure and that their operation, performance and management are optimized. More importantly, we have also ensured that ICT systems are able to communicate with each other and share data so that Pwani University stakeholders do not continue to operate in silos with their data. This Standard has been developed with this realization in mind. It is intended to offer guidelines in the deployment of ICT services and systems



across all sections of Pwani University (including departments and agencies within the main campus and Pwani University campuses). These standards will govern the use and deployment of ICT within various Pwani University departments and sections.

Security of Information Systems

Data and Information is an asset that, like other important Pwani University assets, is essential to Pwani University and its operations and consequently needs to be suitably protected in order to ensure information confidentiality, integrity and availability. This is especially important taking into consideration the increase in interconnectivity of Pwani University departments and systems. As a result, Pwani University information is now exposed to a growing number and a wider variety of threats, risks and vulnerabilities.

Information systems security standards aim at guiding in the setting up of appropriate controls that will ensure the protection of information such as publications, exam results and financial

data from a wide range of threats in order to ensure continuity in Pwani University operations, minimize risk, and maximize return on Pwani University ICT investments.

The following mitigation have been implemented to make a suitable set of controls, including policies, processes, procedures, organizational structures and software and hardware functions to ensure information security is achieved. These controls have been established, implemented, monitored, reviewed and improved, where necessary, to ensure that the specific ICT security and operational objectives of the Pwani University are met.

The following are the areas covered under Security of Information System:-

- Application Security
- Data Security
- Email Security
- Hardware Security
- Network Security
- Physical Security



Messaging and Collaboration

A typical business workforce today in any organization is both mobile and collaborative. This brings challenges on how data is passed across from one user to another. It's therefore important for Pwani University (huge workforce) to enforce policies to govern how communication is carried out between various stakeholders with a view of making it more convenient, efficient and lawful. To achieve this, the Pwani University has adopted a strategic openness and agility in deployment and usage of messaging and collaboration ecosystem as it is critical to maximizing the potential of Pwani University operation in service delivery. In this section we have various standards for managing the deployment and usage of various channels of communication within Pwani University has been deployed. These channels of communications are:-

- Corporate E-mailing system for both staff and Students
- Social Media such Google plus, Facebook and Twitter
- Instant Messaging

- Video and Audio conferencing
- Collaboration Tools

Networks

The Pwani University Network Infrastructure (PUNI) consists of, but not limited to, hubs, switches, routers, servers, Local Area Networks at the equipment locations, and Wide Area Links connecting sites and other campuses together consisting of copper, microwave and high speed fiber optic equipment, and the network management tools provided by the equipment manufacturer. The PUNI architecture for is primarily constructed around an Internet Protocol based network. The network is composed of industry standard equipment, which also provides flexibility and a large variety of management and diagnostic tools.

Wireless network on campus

Pwani University is known for its stable and fast wireless network connections, The Campus Local Area Network have been



redesigned to accommodate the large and increasing number of students and faculty-owned devices such as laptops, mobile phones and computer tablets.

Internet bandwidth has been also tremendously increased with appropriate and user-friendly bandwidth management policies put in place. The University has also set up campus-based helpdesks to support the users.

Transport Services



Your Prospects

We are a University that works increasingly close with industry employers and offer degrees relevant to the employment market. The University outreach work ensures that we remain aware and grounded by the needs industry and employers in terms of the research we do and the programmes we offer. By drawing on industry, we aim at enabling you achieve your goals by ensuring that your degrees have currency and gives you the much-needed competitive edge. Indeed our graduates are highly regarded and sought after by employers, hence Pwani University remains an increasingly popular choice for those seeking higher education.

Some of the things we uphold as a community at Pwani University are:-

We firmly believe that a University is a place where faculty and students share academic goals and aspirations freely. In

addition, that working together strengthens the teaching and learning process. In this noble idea then we commit ourselves to:-

- excellence in service delivery
- Integrity and honesty
- Caring for the well-being of members of the University community

As we co-exist we believe that the theme of ***“DO NO HARM TO OTHERS”*** is a non-negotiable value. It is therefore important that an accurate self-understanding becomes your foundation for empathy, compassion and understanding to others. This will lead us to be socially and ethically responsible during our stay as Pwani University community members. Join us.

Facts and Figures

Currently, Pwani University has a total of 165 teaching staff ranging from Professors to Tutorial Fellows. Given this number and the student population of 4777, the overall student: teaching staff ratio is approximately 29:1. Pwani University has a total of 209 non-teaching staff ranging from Registrars to support staff at Grades I-IV.

Admissions

Admission/Entry requirements into the various University programs is as indicated below:

Programs

- **Certificate**

Minimum entry requirement is Mean grade of C- (Minus) at K. C. S. E. examination or its equivalent except for Certificate in Early Childhood where one can be admitted with a Mean grade of D+ (Plus).

- **Diploma**

Minimum entry requirement into any Diploma program is Mean grade of C (Plain) at K. C. S. E. examination or its equivalent.

In addition the applicant must fulfil the specific program requirements to qualify for admission.

- **Bachelors**

Minimum entry requirements into the Bachelors program is Mean grade of C+ (Plus) at K. C. S. E. examination or its equivalent.

In addition the applicant must fulfil the specific program



requirements to qualify for admission.

- **Masters**

Minimum entry requirement is a Bachelors degree in the relevant area with at least a Second Class Honours (Upper Division) or its equivalent from a recognized institution OR A Second Class (Lower Division) or equivalent plus at least two (2) years of relevant work experience.

In addition the candidate must have scored a minimum of grade B in the area of specialization.

- **Doctoral**

Minimum entry requirement is a Masters degree in the relevant area/field from a recognized institution.

How to Apply

Potential students may apply through our on-line application process which can be accessed from the Pwani University website at <http://www.pu.ac.ke>. The application forms can also

be obtained from Pwani University, Admissions Office (Kilifi Campus) OR at Mombasa Campus (Formerly Southern House, Moi Avenue).

The applicants will pay a non-refundable processing fee in the Pwani University Bank Account and attach receipt (or bank deposit slip) to the duly filled application form and return it to the University.

The duly completed application form should be returned to the Admissions Office, Pwani University, P. O. Box 195-80108 Kilifi, Kenya.

Please refer to Page 109 for a detailed Fee Structure.

Financial Assistance

Limited opportunities for financial support exist now at the DSA office. We try as much as possible to link needy students with potential donors. If you have an idea of a potential donor(s) please see the DSA for support/recommendations.

The University shall always communicate through its notice boards and website the availability of internal bursaries. Such bursaries if availed are disbursed in accordance to the bursary allocation guidelines.

Needy students should register with the DSA immediately they join the university. Students are encouraged to try as much as possible to explore other sources of funding.

• **Loans**

Students may apply directly to Higher Education Loan Board (HELB) for assistant to meet part of tuition and accommodation. Please consult the DSA for further advice.

• **Bursaries**

The Constituency development Fund (CDF) and County/Ward Bursary are some of the options.



Student Support Services

The Dean of Students office Pwani University offers a wide range of services to support students as they undertake their studies. The main goal of this service is facilitate a student-centred and conducive learning environment, reflecting the university's vision, mission and objectives.

The support services aims at inculcating values of excellence, diversity, and mutual respect. The department provides comprehensive and individualized services to empower students to realize their educational goals. This includes issues of sourcing for scholarships and financial support for needy students admitted in the university.

The office is also charged with the responsibility of supervising and coordinating the social and welfare activities of the students among others, Games and Sports, Performing Arts and Music, Culture, Entertainment, Clubs and Societies, Faith-based activities, Outreach services, Leadership Development etc.

The office facilitates matters of Students Catering and Ac-

commodation, Health and Career Advisory and Mentorship. It also provides and maintains a link between the students and potential employers and industry in general.

The Dean of Students Affairs assisted by Student counsellors, Administrative Assistants and Student leaders manages the students support services. The office works very closely with the elected leaders of the Pwani University Students association (PUSA) to support its activities and ensure that students are conversant with the many academic and non-academic policies, rules, codes and regulations that govern them as students.

Student Affairs is comprised of the following sections:

- Student Counselling and Advisory Services
- Sport, Games and Recreation
- Students Catering Unit
- Student Health Unit

- Student Accommodation

Qualified staff members who offer appropriate guidance and support to students manage each of these sections. In the event of a challenge in resolving the student's issue/problem, the head of section shall refer the matter to a specialist for help.

Students facing challenges and feeling that the support offered by the sections is not adequate can visit or contact the office of the Dean of students:

Office: Room 12

Old Admin Building

Tel: 041- 7525101/3/4/6 Mobile phone 0773 839873

Student counselling and advisory section

The Student Counselling and Advisory section caters for the educational and personal needs of students and prospective

students. The main objective of the section is to further the overall academic and psychosocial development of students within the educational environment of the University. The Student Counseling serves the needs of students in the main campus, Kilifi and the University campuses.

The student counsellors and staff in the section provide the following professional services:

- Personal counselling and therapy
- Career counselling and advice
- Crises and trauma counselling
- Study skills, life skills and diversity awareness
- HIV/AIDS prevention programmes and counselling
- HIV/AIDS voluntary counselling and testing (VCT)
- Counselling for residence students



Student Health Services

The University runs a Students Health Unit on campus and is accessible 24 hours. It provides medical services and prevention programs for students. This service takes care on minor ailments and it is catered by medical fees student pay. For treatment that is more specialized, the unit may opt to refer the case to main medical centres in the country. A

students needs to produce student I.D. and proof of completion of the required fees in order to receive services at the Health Unit.

The Students' Health Unit offers services such as routine medical and injury care, physical examinations/health units, laboratory services, physical therapy and a full service pharmacy. It has an Laboratory from where examination of blood, stool and urine samples can be carried out to facilitate quick diagnosis. The

pharmacy is stocked with essential drugs for curative and emergency conditions. In addition students and staff can



get counselling and family planning advice from this facility. If a student falls sick in the hostel he/she should inform the Hostel representatives or janitors who will organize to get him/her to the health unit.

The PU Health Unit also has an ambulance used to handle emergencies within the university, if a student falls sick in any part of the university and cannot walk to the health unit, he/she can contact the Dean Students Affairs on telephone 0773-839-889 or the nearest security Guard on duty. Other services available at the health unit include:

- Family planning, Contraception & counselling; including pregnancy testing
- Treatment of Sexually Transmitted Diseases and Voluntary AIDS tests
- Assessment and referral of drug and alcohol-related problems
- Monitoring of health problems e.g. blood sugar level, blood pressure.
- Health Education



On- Campus Accommodation

The University has a limit space for accommodation; only about 800 students can find on-campus accommodation. In most cases, this is reserved for students sponsored by the government (KUCCPS) and joining the university for the first time (Fresher's). However even those reserved they to get space one must pay up his/her fees.

Residences are grouped into six (6) halls, namely Hostel 1, 2,3,4,5 and 6 with varying capacities. Hostels 3, 4 and 5 are reserved by female students and the rest for male students. Those who miss on-campus accommodation and the Self-sponsored students may have to seek off-campus accommodation.

All residences have access to television rooms, catering halls, open gardens and parking space. All students are accommodated in shared rooms with common restrooms. Admission to residence is based on FIRST COME basis and one must have cleared payment of tuition fees.

The University cannot guarantee that applicants will be offered a place in residence if they are offered a place to study at the University, and it may be necessary for them to find accommodation off-campus.

All students will be required to sign a Code of Conduct and other rules that govern management of these hostels. The costs of the hostels depend on either the type of rooms i.e. double or quadruple etc. However, the cost ranges between Kshs. 3,500 - 6,000 per semester.

off-Campus Accommodation

Accommodation in the University students' halls of residence is optional and usually not adequate. Through the



DSA office students are assisted to locate accommodation premises on and off campus.



The office insists that private premises should ensure the students comfort, security and at affordable prices.

The DSA and PUSA offices maintain a register of potential accommodation places within Kilifi Town.

Most of these Hostels are available around Kilifi town i.e. "Kibaoni", "Charo wa Mae" and "kwa Mwango" market centre's.

Make sure you get afford-



able accommodation in a safe and accessible place that will not inconvenience your movement in and out of campus. However, note that all Students are free to choose to live in on-campus or off campus hostels.

Contact the DSA in case you have difficulties in locating hostels for accommodation or situations where you have challenges with your place of accommodation.

There are a number of Private residential facilities in Kilifi town and around the University. These facilities may range between units designed for students' hostels to rental houses and apartments. The dean of students' office maintains contacts for hostels places for students. The cost for off-campus varies enormously with the type and distance from the University. On average they charge from Kshs. 2,500 - 10,000 per month per student.

Guidance and Counselling

The services here are for the Health individuals who refuse to be weighed down psychologically.



Pwani University students are encouraged to seek for therapy services available such as;

- Individual/ Group counselling (Peer, family, mental counselling)
- Preventive Guiding and Counselling
- Career/Vocational Guidance and Counselling
- Health Guidance and Counselling
- Peer counsellors who are trained and empowered with skills for same are available.

Please have a session and discover yourself.

Student counsellor: Office No 9 Old Administration building

HIV/AIDS and Alcohol and Drug Abuse Control Unit.

Pwani University Aids and Alcohol, drug abuse Control Unit is one of the most vibrant Unit in the University. With a mission of promoting activities that lead to the creation of a relatively

HIV/AIDS and Alcohol and Drug abuse free environment and the production of healthy human resource for the nation. The Unit has perfected the act of community sensitization through well-crafted awareness campaigns and also established a highly motivated and trained personnel comprising of students and staff. The Control Unit has developed an all-inclusive HIV/AIDS and Alcohol and Drug Abuse policies that guides the University in HIV/AIDS and Alcohol and Drug Abuse management strategies.

HIV/AIDS scourge and Alcohol and Drug Abuse control unit

This continues to pose both a health and social challenge to us as students and



staff. The DSA office working with other arms of PU is rolling out a number of activities to address this challenge. The AIDS Control Unit (ACU) and the HIV/AIDS Board is partnering with stakeholders to support students faced with these challenges.

HIV/AIDS voluntary counselling and testing (VCT)

The University has an HIV/AIDS unit, which is currently situated, within the PU Guest House. It provides HIV/AIDS counselling, testing, and post testing services.

This unit has a fulltime employee who is also a counsellor.

Students can get free advice on general matters about HIV/AIDS anytime within working hours. The unit works closely with students' Peer Educators on matters of behaviour change communication and other issues related to HIV/AIDS.

It has an advisory service to support PLWA, prevention of Mother-Child transmission and matters of male circumcision.

Feel free to interact with the officer in charge to know more about HIV/AIDS

Chaplaincy

The Dean of students' office coordinates chaplaincy matters in the University. Pwani University has a vibrant multicultural community of students and staff across all religious faith around the world. This service caters for the spiritual welfare of the students. Students can access spiritual counselling, assistance to conduct religious ceremonies e.g. weddings, baptism, burials among others. The section caters for all faiths.

Student Leadership Development

Pwani University endeavour producing graduates who are good leaders. This requires mentoring students' personal and intellectual development and their capacity to bring about positive change in the society. It also demands for creating opportunities for students to develop leadership qualities and practice leadership skills while in training. The dean of students' office through the counselling section coordinates leadership development initiatives in the University.



The Dean works closely with the academic and other Student Service sectors to increase opportunities for all students in the University, specifically those who occupy positions of leadership in student governance and student societies and to develop their leadership capabilities. The office offers leadership programmes, workshops and training programmes for student government and student societies in various aspects of leadership and conflict resolution.

Sports, Games and Recreation

This section enhances the physical development of the students. Some of the games offered include Football, hockey, basketball, volleyball and netball, athletics, among others. The students are encouraged to participate in various competitions such as inter-year, inter-school, friendly matches with local clubs or teams.

The University is a member of the Kenya University Sports association (KUSA). It regularly participates in the sports and games activities organized by KUSA or its affiliate bodies such as the Coast Colleges and University Sports Association



(COCUSA).

The sports development officers manage this section alongside elected student's representatives. Together they develop a calendar of activities for each semester. These activities include tournaments and leagues within the region and national.

The sports office also takes charge of recreation of both staff and students. Each semester the office organizes for recreation events on campus or along the beach. The office also manages a fitness facility for staff and students.

In addition, facilities for indoor games are also available. The Sports officers arrange for space for indoor- games like Chess, scrabble, cards, table tennis, Taekwondo and others.

Pwani University had a successful season sporting in the concluded academic year. We participated in more tournaments and leagues than before. The peak of the events was the inter-university games held at the Technical University of Mombasa (TUM) where PU scooped several awards in Football, Chess and Basketball. Our ladies football team had a wonderful performance. We look forward to participate in top leagues. The Zuku –sponsored Basketball league is one of them. The



Rugby team “The Sharks” are set to go high places the same to the now equipped Tae kwa doo team.

Students at Pwani University can enjoy the expansive grounds within the campus dotted with cool tree shades. The University Botanical garden is one such place that provides for learning and refreshing our minds especially after those difficult classes.

Students come to Pwani University from diverse backgrounds and with varied expectations and mind-sets. The majority of these students are young adults who are still grappling with the realities of life and self-discovery. These students face challenges of peer pressure, drug and substance abuse, HIV/AIDS among others. Pwani University has an obligation to provide an environment that will mould these young adults into responsible citizens.

Students Catering Unit

The University operates on-campus catering facility for students. Dining Services for students are available in the

main dining hall. Here you are expected to pay for the food at a cashier before you are served. The cashier will then issue you with a receipt, which you show at the counter to get your food. The Students Catering Unit (SCU) provides all the utensils (plates, spoons and cups). Food and all cutleries should not be removed out of the Dining hall.

The Dining Hall is located between the Students Common Room and Hostel 4 adjacent to the old administration office. Service in this DH is Cafeteria and students are expected to line-up to get their meals. Queue jumping is undermining other people’s rights and not tolerated.

Take note of the times for serving meals, which are provided by the SCU. Menu for meals is posted at the entrance of the DH and on the inside walls. The SCU offices are currently situated near Hostel 4.

This Dining Hall (DH) is not restricted to any student whether resident or non-resident. It is against our Public Health policy to eat your meals outside the DH or take meals to the hostels.

Alternative dining areas

Students are free to take their meals elsewhere other than the SCU Dining Hall. Within the campus student can eat at the **RED BUFFALO** restaurant managed by the Hospitality and Tourism Department or the PU Guest House and conference centre. Please note that prices in these other facilities are charged at market rates.

The students Union also rents out facilities for students to operate canteens where snacks and other light foods will be served. The canteen is located at the Students common room and Hostel 6.

Outside the main Gate are a number of food Kiosks and hotels. However, you may need to be cautious with food served in these places because quality and safety is not assured.

NOTE: Cooking in the rooms is not allowed at Pwani University and thus is illegal. Anybody found cooking will have to vacate the hostels with immediate effect.

Clubs and Societies

There are several religious, cultural and sporting clubs and societies. Currently the registered clubs and societies fall under the following categories: academic, religious, social, recreational and environmental. Students are encouraged to sign up as members or to start up their own clubs and societies with the support of the Pwani University students Association (PUSA).

Career and Placement

This Deans of Students office coordinates career advisory and job placement services in collaboration with the Dean of Schools and the industry. It assists students in acquiring skills in job search, it organizes career-fair and invites potential employers. It acts as a link between the University and the employment world. These services include student exchange programs.

Students with Disabilities

The University is committed to responding to the needs of stu-



dents with disabilities. The dean of students in collaboration with the Gender and Disability committee and with University departments is responsible for developing and facilitating a wide range of services for the special needs of students eg. Academic support, accommodation, finance aid, access to university premises, etc. The Dean of student's office assisted by the student secretary for special needs identify students with special needs. However, it's recommended that applicants with special needs contact the Dean of students immediately they register as students and join the university.

Pwani University Students' Association (PUSA)

PUSA is the governing body of students at Pwani University through which students organize their activities and express their views and opinions in the university. It is the mouthpiece of the student community. It is led student leaders elected by the students themselves in a free and fair election. The elections are held every year in the beginning of the second

semester, normally before the day of 15th March as per the PUSA 2010 Constitution.

The Dean of students works closely with the elected leaders to advance services to students and channel their views to the university management.

The PUSA students' elections for the 2014/15 Academic year were peacefully and successfully held on 7th March 2014 in accordance with per the PUSA constitution. Even though this year's elections were the most closely contested, there were no bad incidences observed and most importantly students accepted the outcome. Consequently, the duly elected leaders were inaugurated and taken for induction training.

Students Community/Outreach Activities

Pwani University students engage in various community outreach activities. The arrays of the activities in which they participate have increased over time. These activities aimed at creating a good relationship with the community and make inputs to the development of the general welfare of the com-

munity adjacent to the University.

The University administration supports these activities through the student's union leadership. In the recent past, they have been involved in public talks of HIV/AIDS, Clean up and garbage collection and donation to the needy children in Kilifi and the outskirts.

PU students are also involved in tackling the issue of Alcohol and Drug abuse plus the effects of this menace in our society. They distribute educational materials on the subject to members of the public, beach boys, tourists and youth in general.

Annually the crowned Mr and Miss Pwani solicited support from well-wishers and help communities in addressing challenges like control of jiggers, deworming of young children, Girl-child education etc.

The faith-based societies like, Pwani University students led by the Christian Union, the Muslim Association and/or the Catholic Union visit and hold counselling sessions with prisoners, HIV/AIDS victims, displaced persons, flood affected communities and orphaned children.

Every year the office of the Dean Students Affairs plans Community Outreach activities, which involve Staff and students jointly. Students are encouraged through their various grouping and clubs to plan and implement community outreach activities in line with the University policies.

The University has donated about 2000 volumes of books to 20 primary schools and 20 secondary schools distributed across the coastal region. This activity was fully sponsored by PU and Books for Africa in collaboration with well-wishers both locally and internationally.

SCHOOLS OF THE UNIVERSITY





SCHOOL OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

The School of Agricultural and Environmental Sciences at Pwani University has three departments namely:-

- (i) Department of Animal Sciences,
- (ii) Department of Crop Sciences
- (iii) Department of Environmental Sciences.

Currently the School offers 24 programmes geared towards agricultural and environmental sustainability. Through its research and training programmes, the School aims at developing cutting edge technologies and transferring skills and knowledge in agriculture and the environment to the wider public and private sector.

The School offers the following programmes.



DIPLOMA IN ANIMAL HEALTH MANAGEMENT

Is this the right course for me?

This is a two-year course designed to give the student a broad theoretical and practical knowledge in the field of animal health and management. Livestock industry contributes immensely to the national gross domestic product through production and exports of various livestock products. However, the major challenges in this sector are directly attributed to the shortage of qualified animal health personnel, which in turn directly affects the production and quality of both livestock and livestock products. Therefore there is need to train more animal health personnel to address this gap in the sector.

What will I be studying?

The Programme equips students with skills knowledge on animal diseases, disease causing organisms, proce-

dures of disease control and treatment, minor surgical procedures, routine livestock management, farm management and accounting, Basic Veterinary activities, research projects and field attachment.

Future prospects

The goal is to provide practical skills and knowledge in the field of animal health and equip the learners with capacity to enhance livestock productivity, while providing opportunities for further training in animal sciences or related degree courses. The course is also tailored to equip the learners with entrepreneurship and self-employment skills in animal health.



BACHELOR OF SCIENCE (ANIMAL PRODUCTION AND HEALTH MANAGEMENT)

Is this the right course for me?

The programme seeks to provide practical and professional expertise needed for the sustainable utilization and management of livestock. It is thus important to develop the course with a view to enhancing their relevance and marketability by way of incorporating new and emerging knowledge, instructional and research methods.

What will I be studying?

The Programme introduces undergraduates to Principles of Animal Production, basic Animal Health principles, Animal feeds and feeding, Farm management and accounting, farm structures and power, routine livestock management, research project work and seminars as well as basic statistics

and field attachment.

Future prospects

The Programme aims to produce and equip students with specialized knowledge and practical skills in animal production and farm animal health and disease management. Secondly, to train and produce scientists who are able to manage animal health and reproduction efficiently. Thirdly, to produce graduates who are able to identify and effect control measures on important diseases of livestock, and explore ideas in other aspects of animal production and related enterprises.

BACHELOR OF SCIENCE (ENVIRONMENTAL SCIENCE)

Is this the right Programme/course for me?

Yes, this is the right course for you. The programme is tailored for those who have a passion for the conservation, protection and management of the environment. It is discipline, which is multidisciplinary in approach. It emphasizes knowledge acquisition, it is practical in orientation and fosters the appreciation of the environment at all levels. It was built upon the principles of sustainable development where the acquired skills will be used for sustainable utilization and management of the biophysical, socio-cultural and economic environment. Therefore the students in this programme will appreciate the biophysical, economic and socio-cultural environment and the knowledge and skills acquired

will go a long way in managing the environment and to keep it safe and clean for habitation.

What will I be studying?

The student will study all the aspects of environment grouped into five key thematic areas namely:-

- Ecology, Natural resources management
- Pollution control and industrial safety
- Energy policy and sustainable development
- Urbanization and environment and
- Ecosystems dynamics and Biodiversity.

Future prospects

As an environmental scientist your potential career paths will be extremely varied and include:

- Working for government agencies
- Working for private companies (industries, Oil companies etc) engaged in environmental



protection, protection of water resources, assessment of air, land and water contamination, environmental impact assessment, waste management or the development of environmental policy and environmental management systems.

- Working for Aid agencies, NGOs and CBOs on environmental related issues
- Starting your own environmental consultancy company
- Pursuing higher education (Masters and PhD)
- Undertaking research with Research Institutions
- Policy making at different levels with relevant organization

BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

Is this the right course for me?

Yes, it is. The programme endeavours to link environment sustainability with the wellbeing of the communities. Environmental studies in community development seek to empower individuals and groups of people by providing them with the skills they need to effect change in their own communities. Community developers must understand both how to work with individuals and how to affect communities' positions within the context of larger social institutions on managing the environment.

What will I be studying?

You will study the general philosophy of sustainable community development, Ethics, Politics and Environmental

BACHELORS

Governance, Environmental Risks and Disaster Management, Community Capacity Building, Social Thought and Analysis, Environmental Insecurity and Peace-Building, Indigenous Knowledge Systems and Development, Gender, Environment and Sustainable Development and among other social issues such as Participatory and Qualitative Research Approaches.

Future prospects

Community development professionals are dynamic individuals that strive to bring about positive change to many different communities. The professional life of community development officers can be varied, challenging and immensely rewarding.

As a Community Development Professional your potential career paths will be extremely varied and include:

- Working for government agencies
- Working for private companies (industries, Oil companies etc) engaged in environmental

protection, protection of water resources, assessment of air, land and water contamination, environmental impact assessment, waste management or the development of environmental policy and environmental management systems

- Working for Aid agencies, NGOs and CBOs on environmental related issues
- Starting your own environmental consultancy company
- Pursuing higher education (Masters and PhD)
- Undertaking research with Research Institutions
- Policy making at different levels with relevant organizations



BACHELOR OF ENVIRONMENTAL PLANNING AND MANAGEMENT

Is this the right course for me?

Yes it is, because Environmental planners balance the needs of human civilization while maintaining a healthy environment. Environmental planning concerns itself with the decision making processes where they are required for managing relationships that exist within and between natural systems and human systems. Environmental planning endeavors to manage these processes in an effective, orderly, transparent and equitable manner for the benefit of all constituents within such systems for the present and for the future. Present day environmental planning practices are the result of continuous refinement and expansion of the scope of such decision-making processes.

What will I be studying?

Environmental planning and management focuses on related areas, such as environmental studies, urban or regional planning, architecture and landscape design. Courses include; land development, digital visualization, macroeconomics, environmental law, planning methods, Social & economic development, Urban development, Regional development, Natural resource management & integrated land use, Infrastructure systems and Governance frameworks.

Future prospects

Environmental planners and managers work with governmental planning agencies at the County and national levels. They also work with development agencies- both national and international and other natural resource companies. Many non-profit agencies concerned with environmental law and policy also employ environmental planners. Environmental planners' job titles include conservation director, natural resource manager, planning consultant and water

resource specialist

MASTER OF SCIENCE (LIVESTOCK SCIENCE)

Is this the right course for me?

MSc Livestock Science is designed to impart knowledgeable and skilled professionals in the application of scientific principles and new technologies in livestock breeding and genetics, livestock nutrition and production systems. This is achieved through a rigorous course work in the first year of study followed by a Research Thesis work in the second year of study.

What will I be studying/researching on?

The MSc in livestock sciences exposes scholars to advanced animal breeding and genetics, advanced animal nutrition and feed processing, biochemistry in animal nutrition, modeling animal production systems, biotechnology in animal nutrition and breeding, advanced

statistics and data analysis procedures, scientific writing and reporting as well as seminars and other practical lessons related to research methodology and presentation of scientific work.

Future prospects

Masters of Science degree in Livestock Science programme is aimed at training and producing dynamic graduates with the capacity to apply advanced scientific, technological knowledge and skills of livestock breeding, nutrition, and production systems for various livestock species for food security and sustainable animal genetic resource use. The graduates of this programme aim at securing and generating employment in research, academia and livestock industry.



PhD (ANIMAL SCIENCE)

Is this the right course for me?

Yes it is. The PhD programme in Animal Science intends to develop professionals that are highly knowledgeable and skilled to innovate and apply principles and new technologies in Livestock Production in their chosen area of specialization, be it animal breeding, nutrition, production systems, animal physiology or molecular genetics. These will be achieved through a PhD research project that will take either of the following forms or their combinations: laboratory-based experimentation, field or modeling studies at the level of animal breeding and genetics, animal nutrition, animal production systems and ecosystems, animal population studies.

What will I be studying/Researching on?

The major areas of study and research include;

- Animal Health and Management
- Animal Breeding and Genetics
- Animal Nutrition

- Animal Production Systems and
- Animal Physiology and Behaviour
- Molecular Genetics
- Animal Population studies

Future prospects

The programme is aimed at producing candidates who upon successfully completion of all the requirements of doctoral degree of Pwani University are mentored to be skilled professionals able to provide quality and innovative leadership in teaching and training, research, policy and development strategy formulation and, advisory and consultancy services in the livestock sector. This objective responds to the ultimate need for Food Security in our country and also globally. Animal Sciences provides the balance of Animal Protein essential for the integrity of healthy diets for the betterment of peoples that are the workers of economic development.

PhD

PhD (CROP SCIENCE)

Is this the right Programme/course for me?

The PhD programme in Crop Science is unquestionably suitable for you as an agriculturist. It is designed to sharpen your research skills in agriculture and shape you to be a professional in the field and training at the top level of education. The programme aims at advancing scientific excellence of PhD candidates while building human resource necessary for innovative scientific research, critical analysis and contributions to future solutions to issues of concern in the crop industry.

What will I be studying?

The aim of the Department of Agricultural Sciences is to produce candidate who upon successful completion of all the requirements of the crop science doctoral degree of Pwani University are mentored to be skilled professionals, with capacity to provide quality and innovative leadership in teaching and training, strategic and applied research,

formulation of development strategies, or advisory and consultancy services in private and public crop sectors. In essence the programme is focused on the following issues:

- Research whereby the student is given ample time to conduct research in an area of his/her interest which should be relevant to the field.
- Publication. The student is also trained to disseminate the research results through conferences and publication in journals
- Training. The student in the Doctor of philosophy is building a career in higher-level education. It therefore imperative that he/she is grounded in lecturing and assisting students at undergraduate level.

Future prospects

The holder of PhD in Crop Science has a wide range of career paths such as:

- Policy advisor in international organizations



- Consultant to Private agribusiness companies (producers, exporters, input suppliers, etc.)
- Manager/director of Aid agencies, NGOs and CBOs on agriculture and rural development
- Researcher in Research Institutions and Universities
- Lecturing in Universities and higher institutions of learning





SCHOOL OF EDUCATION

The School of Education is one of the five (5) Schools at Pwani University, and comprises four (4) departments namely:-

- i) Department of Curriculum Instructional and Technology Education,
- ii) Department of Educational Psychology and Special Needs,
- iii) Department of Educational Foundation and Policy Studies and
- iv) Department of Educational Administration, Economics and Planning.

Through these departments, the School offers programmes at Certificate, Diploma, Bachelors degree, and Postgraduate degree levels.

The School offers the following programmes.



CERTIFICATE IN EARLY CHILDHOOD EDUCATION

Is this the right course for me?

This course lays a foundation for future of the education of a child. The programme provides a broader spectrum for further specialization and a diversity of career opportunities.

What will I be studying?

There are a variety of areas of focus; mainly areas related to Early Learning, Health and Nutrition, Community Development, First Aid and Material Development.

Future Prospects

Graduates of this course will work in ECD centres as teachers. They could also work in children's homes, DICECEs, CBOs, private sector, Bilateral and Multi-lateral organizations.



DIPLOMA IN AGRICULTURE EDUCATION AND EXTENSION

Is this the right course for me?

The programme aims at equipping the graduate with competencies that will enable them to:

- Teach Agriculture and Biology and related subjects in Primary, Secondary or Tertiary institutions
- Plan and execute agriculture and Extension programmes
- Seek further education in Agriculture, Agriculture Education and Extension or its equivalent

What will I be studying?

The following professional courses will be offered:

- Extension methodology
- Agriculture Education
- Animal and Crop Husbandry

- Curriculum and Instruction
- Farm Machinery Use and Maintenance
- Agricultural economics
- Educational Psychology
- Educational Administration, Planning and Management
- Educational Technology
- Environmental science

This programme is multi-dimensional and as such provides one with diverse opportunities for further studies and career advancement. This programme will lead to openings in both the Agricultural and Educational world.

Future Prospects

The concept of early childhood development and Education [ECDE] is broad and goes outside mere provision of education to children. The ECDE diploma intends to produce ECDE personnel who are all round and able to play the role of a teacher, parent/guardian. It is intended to equip the

teachers with necessary knowledge, skills and attitudes desired to stimulate children in preparation for primary education. Emphasis has been on the training of the pre-school teachers who have the opportunity of interacting with young children under their care. In addition, one could further the Diploma in ECE to a degree. Career opportunities also exist in different sectors of the society that work with children.

DIPLOMA IN PRIMARY EDUCATION

Is this the right course for me?

The Programme is designed to prepare an efficient and effective teacher, leader and manager capable of adapting to the ever-changing environment. The programme will also prepare students to think deeply in the practice of their profession and exploit opportunities for further education and training. The programme improves your

capacity and specialisation as a Primary school teacher

What will I be studying?

The programme is designed in such a way that you could specialise in any of the following broad areas offered in the 8-4-4 Primary School Curriculum or Primary Teacher Education Curriculum:

- Science and Agriculture
- Social Studies
- Mathematics
- Language Education

The following professional courses are offered as core units:

- Educational Psychology
- Guidance and Counselling
- Educational Foundations
- Curriculum Theory and Development
- Educational Communication and Technology
- Education Administration, Management and



Planning

- General and Special Methods of Teaching
- Health and Physical Education
- Communication Skills

Future Prospects

This is currently a programme in demand since most primary school teachers are either certificate holders, who would wish to upgrade/ specialize in line with the proposed government agenda.

BACHELOR OF EDUCATION (ARTS)

Is this the right course for me?

This programme prepares qualified arts teachers for secondary schools, colleges and tertiary institutions.

What will I be studying?

The programme is designed in such a way that you could

specialise in any two of the following broad areas offered in the 8-4-4 Secondary School or Secondary Teacher Education

Curriculum for arts

- Geography
- History
- CRE/IRE
- Business Studies
- English Language
- English Literature
- Kiswahili
- French
- German
- Arabic

In addition, the following professional courses are offered as compulsory:

- Educational Psychology
- Guidance and Counselling
- Educational Foundations
- Curriculum Theory and Development



- Educational Communication and Technology
- Education Administration, Management and Planning
- General and Special Methods of Teaching
- Health and Physical Education
- Communication Skills
- Developmental Studies

Future Prospects

There is need to replace retiring teachers and also fill up gaps brought about by natural attrition. The number of schools will continue to increase and with it an expanded student enrolment; pointing to the need for more qualified teachers. Graduates of this programme can also work in any sector that requires specialisation in humanities and social sciences; creativity, leadership and training skills.

BACHELOR OF EDUCATION (EARLY CHILDHOOD EDUCATION)

Is this the right course for me?

The programme is designed for educators in ECD. Graduates will be administrators in Children's homes or ECD centres, NGOs concerned with welfare of children and pre-schools.

What will I be studying?

The areas of emphasis are as follows:

- Curriculum Development
- Educational Psychology
- Educational Administration, Planning and Management
- Growth and Development
- Material Development
- ECE subject activities



- Tests, Measurement and Evaluation
- Media and Instruction
- Community Education and Mobilisation for ECE
- Social Studies in ECE
- Research in Early Childhood Development and Education

Future Prospects

The training of ECD teachers for public and private agencies working with children is a growing demand. The government now lays emphasis on improved ECE and thus graduates of this programme will be engaged in this endeavour.

BACHELOR OF EDUCATION (SCIENCE)

Is this the right course for me?

This programme prepares qualified science teachers for secondary schools, colleges and tertiary institutions. Graduates of this programme can also work in any sector that requires

specialisation in science; leadership and training skills.

What will I be studying?

The programme is designed in such a way that you could specialise in any two of the following broad areas offered in the 8-4-4 Secondary School or Secondary Teacher Education Curriculum for Science and Agriculture

- Chemistry
- Business Studies
- Geography
- Physics
- Biology
- Mathematics
- Computer
- Agriculture

The following professional courses are offered as compulsory:

- Educational Psychology
- Guidance and Counselling
- Educational Foundations
- Curriculum Theory and Development

BACHELORS



- Educational Communication and Technology
- Education Administration, Management and Planning
- General and Special Methods of Teaching
- Health and Physical Education
- Communication Skills
- Developmental Studies

Future Prospects

The importance placed on science and technology at all levels of education demands that teachers for these areas are well trained. Science and Mathematics are compulsory at secondary school level and this translates to increased teacher demand to cope with the increasing number of students. There is need to replace retiring teachers and also fill up gaps brought about by natural attrition.

BACHELOR OF EDUCATION (PRIMARY EDUCATION)

Is this the right course for me?

The Programme is designed to prepare an efficient and effective teacher, leader and manager capable of adapting to the ever-changing environment. The programme will also prepare students to think deeply in the practice of their profession and exploit opportunities for further education and training.

What will I be studying?

The programme is designed in such a way that you could specialise in any of the following broad areas offered in the 8-4-4 Primary School Curriculum or Primary Teacher Education Curriculum:

- Science and Agriculture
- Social Studies
- Mathematics
- Language Education



The following professional courses are offered as compulsory:

- Educational Psychology
- Guidance and Counselling
- Educational Foundations
- Curriculum Theory and Development
- Educational Communication and Technology
- Education Administration, Management and Planning
- General and Special Methods of Teaching
- Health and Physical Education
- Communication Skills

Future Prospects

This is currently a programme in demand since most primary school teachers are either certificate holders, who would wish to upgrade/ specialize in line with the proposed government agenda.

BACHELOR OF EDUCATION (SPECIAL EDUCATION)

Is this the right course for me?

The programme is designed to provide the student teacher with practical and professional expertise needed in the current trend of inclusive education, which calls for active participation of all learners in the mainstream school settings.

What will I be studying?

This programme will offer you the following:

- Market driven courses in special needs education
- Increased training opportunities for the teacher in special needs education
- Enhanced capacity and qualification as a special educator
- Opportunities to engage in research that creates awareness on the rights and needs of learners with special needs

The programme leads to any of the following specialisations:

- Visual Impairments
- Physical Disabilities
- Mental Retardation
- Learning Disabilities
- Hearing Impairments
- Emotional and Behavioural Disorders
- Autism and Autistic Spectrum Disorders
- Communication Disorders
- Gifted and Talented

The programme is offered in two options:

1. Special Needs education-Primary Option
2. Special Needs Education-Secondary Option

Besides the units in special needs education, the following professional courses are offered as core:

- Educational Psychology
- Instructional Methods

- Human Growth and Development
- Educational Technology for Special Education
- Educational Administration
- Educational Statistics and Evaluation
- Crosscutting areas such as Environmental Education and ICT are also offered.

Future Prospects

The programme provides openings to several careers related to children with special needs. One could teach in institutions that provide for special needs, as well as organisations that advocate for the rights of children with special needs



BACHELOR OF SCIENCE (AGRICULTURE EDUCATION AND EXTENSION)

Is this the right course for me?

This programme prepares the workforce essential for teaching secondary school agriculture, agricultural extension and rural development. In addition, the graduates of this programme are efficiently qualified to assume responsibilities in the private sector and to also set up their own business.

What will I be studying?

Besides courses in Biology and Agriculture the following professional courses are offered as compulsory:

- Educational Psychology
- Guidance and Counselling
- Educational Foundations

- Curriculum Theory and Development
- Educational Communication and Technology
- Education Administration, Management and Planning
- General and Special Methods of Teaching
- Health and Physical Education
- Communication Skills
- Fundamentals of Agriculture and extension
- Technical Drawing
- Workshop Technology
- Agriculture Communication
- Farm Power source and Utilisation

Future Prospects

This course provides openings in teaching as well as fieldwork in Agricultural organisations. One could also start private Agricultural Income Generating projects. Agricultural research organisations also provide work opportunities, not forgetting relevant government ministries and agencies.

BACHELORS



MASTER OF EDUCATION (CURRICULUM DEVELOPMENT)

Is this the right course for me?

This programme prepares qualified science lecturers for colleges and tertiary institutions and teachers for secondary schools. Graduates of this programme can also work in any sector that requires specialisation in science; leadership and training skills.

What will I be studying?

- Educational Management
- Curriculum Development
- Foundation in Education
- Research Methodology
- Foundations of Educational Technology and Educational Design
- Tests and Measurement

- Educational Statistics
- Research Project/thesis

Future Prospects

The importance placed on science and technology at all levels of education demands that lecturers and teachers for these areas are well trained. Science and Mathematics are compulsory at secondary school level and therefore this translates to increased lecturer and teacher demand to cope with the increasing number of students. There is need to replace retiring lecturers and teachers and also fill up gaps brought about by natural attrition.

MASTER OF EDUCATION (MATHEMATICS AND SCIENCES EDUCATION)

Is this the right course for me?

This programme prepares qualified mathematics and science lecturers for colleges, tertiary institutions and



teachers for secondary schools. The graduate of this programme is equipped with appropriate professional competencies in either: Mathematics, Biology, Physics or Chemistry that can work in any sector that requires specialisation in science; leadership and training skills. The course provides opportunities in science oriented research organisations and in relevant government ministries and consultancy firms

What will I be studying?

- Educational Management
- Curriculum Development
- Foundation in Education
- Research Methodology
- Foundations of Educational Technology and Educational Design
- Tests and Measurement
- Educational Statistics
- Research Project/thesis
- Foundations of Science Education

In addition, students admitted for Masters of Education (Mathematics and Sciences Education) will be required to take the following units based on the specific option;

Mathematics:

- Nature, Aims and Roles of Mathematics Education
- Methods of Teaching Mathematics
- Classroom Climate, Resources and the Social

Context of Mathematics Learning.

- Application of mathematics in Daily life

Chemistry:

- Assessment and Laboratory Management
- Methods of Teaching Science
- Design and Methods in Chemistry Education

Physics:

- Assessment and Laboratory Management
- Methods of Teaching Science
- Methods and Trends in Physics Education
- Strategies for Course Development Analysis & Assessment in Physics

assessment in Physics

Biology:

- Assessment and Laboratory Management
- Methods of Teaching Science
- Nature, Aims and Methods of Teaching Biology
- New Trends in Biology Education

The programme is either by course work and thesis or coursework and project

Future Prospects

The importance placed on science and technology at all levels of education demands that lecturers and teachers for these areas are well trained. Science and Mathematics are compulsory at secondary school level and therefore this translates to increased lecturer and teacher demand to cope with the increasing number of students. There is need to replace retiring lecturers and teachers and also fill up gaps brought about by natural attrition.

MASTER OF EDUCATION (CURRICULUM DEVELOPMENT)

Is this the right course for me?

This programme prepares qualified curriculum development lecturers for teachers' colleges and tertiary institutions. The graduate of this programme is equipped with appropriate professional competencies to enable him/her to work in any sector that requires specialists such as Kenya Institute of Curriculum Development (KICD), leadership and training skills in curriculum development. The course provides opportunities in research organisations and in relevant government ministries and in curriculum development consultancy firms.

What will I be studying?

- Educational Management
- Curriculum Development



- Foundation in Education
- Research Methodology
- Foundations of Educational Technology and Educa-

tional Design

- Tests and Measurement
- Educational Statistics
- Research Project/thesis

In addition students admitted for Masters of Education (Curriculum Development) will be required to take the following units;

- Curriculum Implementation and Evaluation
- Foundation of Curriculum
- Curriculum Design
- Curriculum Innovation
- Curriculum Theory And Change

The programme is either by course work and thesis or course-work and project

Future Prospects

The importance placed on the quality of curriculum that is

used at all levels of education demands that lecturers and teachers are well trained in curriculum development by professionals. Hence the need for professionals/experts is inevitable.

MASTER OF SCIENCE (AGRICULTURAL EDUCATION)

Is this the right course for me?

This programme prepares the workforce essential for teaching in the university and in secondary school agriculture, agricultural extension and rural development. In addition, the graduates of this programme are efficiently qualified to assume responsibilities in the private sector and to also set up their own business. The graduate of this programme is equipped with appropriate technical and professional competencies in Agriculture, Biology and Extension Education.

MASTERS



What will I be studying?

- Educational Management
- Curriculum Development
- Foundation in Education
- Research Methodology
- Foundations of Educational Technology and Educational Design
- Tests and Measurement
- Educational Statistics
- Research Project/thesis

Students admitted for MSc. in Agricultural Education will be required to take units in the following areas;

- Agricultural Education
- Agricultural Extension
- Technical Agriculture
- Natural Resources Management
- Education

The programme is either by course work and thesis or coursework and project

Future Prospects

This course provides openings in lecturing/teaching as well as fieldwork in Universities and organisations respectively. One could also start consultancy firms work in Agricultural research organisations and also not forgetting work opportunities in relevant government ministries and agencies.

MASTER OF SCIENCE (AGRICULTURE EXTENSION)

Is this the right course for me?

This programme prepares the workforce essential in lecturing in the university agricultural tertiary institutions and colleges. In addition, the graduates of this programme are efficiently qualified to assume responsibilities in the Ministry of Agriculture and private sectors and to also set up their own consultancies/business. The



graduate of this programme is equipped with appropriate technical and professional competencies in Agriculture, Biology and Extension Education.

What will I be studying?

- Educational Management
- Curriculum Development
- Foundation in Education
- Research Methodology
- Foundations of Educational Technology and Educational Design
- Tests and Measurement
- Educational Statistics
- Research Project/thesis

Students admitted for MSc.in Agricultural Extension will be required to take units in the following areas;

- Agricultural Education
- Agricultural Extension
- Technical Agriculture
- Natural Resources Management

Future Prospects

Graduates of this programme can also work in any sector that requires specialisation in science; leadership and training skills. This course provides openings in lecturing/teaching as well as fieldwork in Universities and organisations respectively. It also provides opportunities in Agricultural research organisations and also not forgetting relevant government ministries, agricultural agencies, non-governmental organisations and consultancy firms.

MASTER OF EDUCATION (ADMINISTRATION)

Is this the right programme/course for me?

Yes, this is the programme will provide the graduate with professional skills in administration and management of educational institutions.

What will I be studying?

The students will study various topics depending on their

areas of specialization.

- Educational management
- Financing education
- Personnel management
- Theories of educational administration
- Fundamentals of national education administration
- Instructional supervision
- Fundamentals of national education administration

Future prospects

Graduates will find employment in national government ministries, academia, private sector enterprises, non-governmental organizations and the United Nations Organizations as managers and researchers.

MASTER OF EDUCATION (PLANNING)

Is this the right programme/course for me?

The programme will equip the graduates with appropriate skills and knowledge in education planning and resource management. This will enable the professional to analyse and appraise data.

What will I be studying?

The students will study various topics depending on their areas of specialization.

- Macro and micro planning in education
- Planning education to meet societal needs
- Criteria for investments in education
- Efficiency and equity in education
- Methodology of educational planning
- Problems of educational planning in 3rd world countries



- Data collection, analysis and appraisal in education planning.

Future prospects

The programme offers a wide choice of carriers for its graduates in public and private sectors. Graduates will find employment in national government ministries, academia, private sector enterprises, non-governmental organizations and the United Nations Organizations as managers and researchers.

MASTER OF EDUCATION (ECONOMICS)

Is this the right programme/course for me?

The graduates will acquire skills in efficient and effective management of educational resources. They will also be trained on collection, analysis and appraisal of education data.

What will I be studying?

- Human capital and economics of education
- Private and social demand for education

- Criteria for investment in education
- Efficiency and equity in education
- Problems of educational planning in 3rd world countries

Future prospects

Graduates will find employment in teaching and research in higher institutions and in national government ministries, academia, private sector enterprises, non-governmental organizations and the United Nations Organizations.

MASTER OF EDUCATION (MATHEMATICS AND SCIENCES EDUCATION)

Is this the right course for me?

This programme prepares qualified mathematics and science lecturers for colleges, tertiary institutions and teachers for secondary schools. The graduate of this programme is equipped with appropriate professional competencies in either: Mathematics,

Biology, Physics or Chemistry that can work in any sector that requires specialisation in science; leadership and training skills. The course provides opportunities in science oriented research organisations and in relevant government ministries and consultancy firms

What will I be studying?

- Educational Management
- Curriculum Development
- Foundation in Education
- Research Methodology
- Foundations of Educational Technology and Educational Design
- Tests and Measurement
- Educational Statistics
- Research Project/thesis
- Foundations of Science Education

The programme is either by course work and thesis or course-work and project

Future Prospects

Science and Mathematics are compulsory at secondary school level and therefore this translates to increased lecturer and teacher demand to cope with the increasing number of students.

MASTER OF EDUCATION (CURRICULUM DEVELOPMENT)

Is this the right course for me?

This programme prepares qualified curriculum development lecturers for teachers' colleges and tertiary institutions. The graduate of this programme is equipped with appropriate professional competencies to enable him/her to work in any sector that requires specialists such as Kenya Institute of Curriculum Development (KICD), leadership and training skills in curriculum development. The course provides opportunities in research organisations and in relevant government ministries and in



curriculum development consultancy firms.

What will I be studying?

- Educational Management
- Curriculum Development
- Foundation in Education
- Research Methodology
- Foundations of Educational Technology and Educational Design
- Tests and Measurement
- Educational Statistics
- Research Project/thesis

In addition students admitted for Masters of Education (Curriculum Development) will be required to take the following units;

- Curriculum Implementation and Evaluation
- Foundation of Curriculum
- Curriculum Design

- Curriculum Innovation
- Curriculum Theory And Change

The programme is either by course work and thesis or coursework and project

Future prospects

The importance placed on the quality of curriculum that is used at all levels of education demands that lecturers and teachers are well trained in curriculum development by professionals. Hence the need for professionals/experts is inevitable.



School of Humanities and Social Sciences



The School of Humanities and Social Sciences offers Undergraduate and Postgraduate programs in the fields of arts, humanities & social sciences and business. It prepares students to the ever-changing situations in the local and global environment.

The School is made up of five (5) Departments. These are:-

- Department of Business Management & Economics
- Department of Hospitality & Tourism Management
- Department of Languages, Linguistics & Literature
- Department of Philosophy & Religious Studies
- Department of Social Sciences

The school is currently offering the following programmes spread across the departments.



DIPLOMA IN HOSPITALITY & TOURISM MANAGEMENT

Is this the right course for me?

Yes. I find the Diploma in Hospitality and Tourism Management very useful, the course turns out to be just what I want and very interesting, I can see myself doing well and working in the industry one day.

What will I be studying?

Introduction to Hospitality and Tourism Industry, Food and Beverage Theory, Kitchen Organization and Food Knowledge and Front Office Operations I.

Future prospects

The Diploma in Hospitality and Tourism Management is intended to prepare students for future employment in the hospitality and tourism industry as technicians.

DIPLOMA



BACHELOR OF COMMERCE

Is this the right programme/course for me?

Yes, the whole world is tending towards business

What will i be studying?

I will be studying the management of business activities in totality beginning from micro, small, medium and big companies and the public business entities

Future prospects

There are lots of future prospects in businesses as one is a creator of employment, owner of business and can be employed by all types of organizations.

BACHELOR OF SCIENCE (FOOD, NUTRITION & DIETETICS)

Is this the right course for me?

Yes. I have decided to study nutrition because i feel it concerns everyone in their day-to-day life, and is becoming more of a concern with growing problems such as obesity with the current job situation, there will always be a career at the end, and the nutrition course at Pwani University complements this. The diversity of a career as a nutritionist also swayed my decision, with jobs all over the world in public health nutrition or industry based.

What will I be studying?

I will be studying Introduction to Foods, Nutrition & Dietetics, Introduction to Environmental Health, Principles of Public Health, Nutrition in the Life Cycle, Nutrition Assessment and Surveillance, Nutritional Disorders, Basic Nutritional Epidemiology.

BACHELORS

Future prospects

Our Hospitality and Tourism Management program primes you for a career at the heart of one of the world's largest, most exciting and fastest-growing industries, from hotels to casinos, airlines to cruise ships, tour operators to resort development.

Graduates of our degree have proven to be highly employable across a range of organisations, not just within hospitality and tourism.

Some of our graduates choose to go into operational management roles, running hotels, holiday companies and resorts around the world. Others specialise in marketing, human resources, IT and other head-office positions in large hospitality and tourism-based corporations. Many find excellent career opportunities in hospitality and tourism consultancy businesses.



MASTER OF ARTS (SOCIOLOGY)

Sociology is a discipline that deals with social issues affecting people. These issues range from social, medical and economic issues. Students taking Sociology at both undergraduate and postgraduate levels will be equipped with the skills necessary to tackle social challenges within our society.

What will I be studying?

Students taking Sociology will study topics related and not limited to Introduction to Sociology, Medical Sociology, Industrial and Rural Sociology.

Future prospects

Career opportunities for Sociologists are many and varied. Sociology provides the requisite human skills for all professionals working with and working for the betterment of the society. Specialized areas such as Medical Sociology,

Criminology, Public Health, Demography and Rural Development and Administration area very lucrative. Thus, nearly all professions need some sociological knowledge, making Sociologists more marketable. Main employers of Sociologists include County Governments, Organizations such as NGOs, CBOs, Civil Society etc.



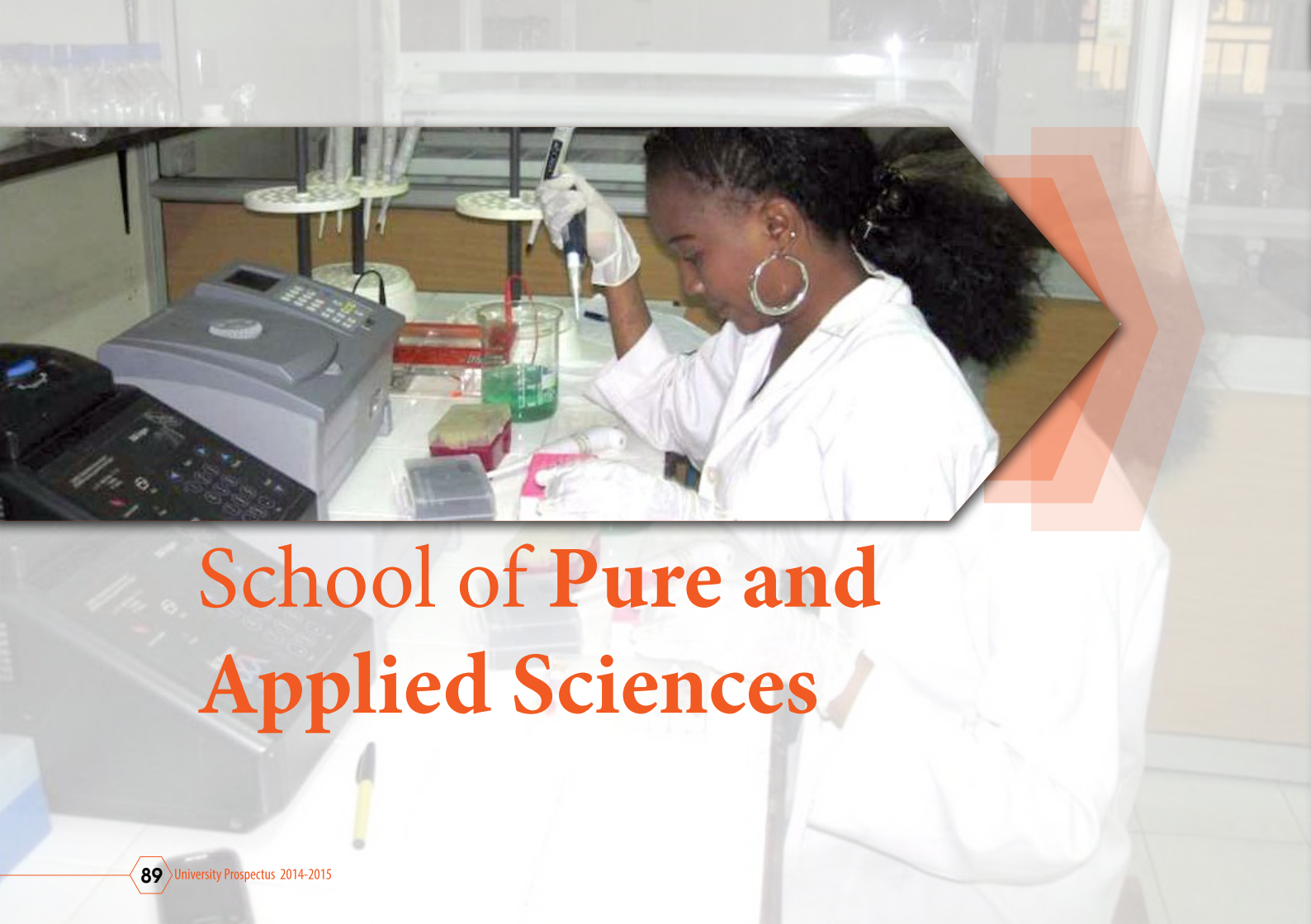
PhD (Sociology)

By Thesis only

PhD







School of Pure and Applied Sciences



The school of Pure and Applied Sciences (SPAS) is among the first schools to be created after the launch of the university in 2007. Late last year two of its departments i.e. Agriculture and Environmental science merged to form the School of Agricultural and Environmental Science (SAES). The school currently has the following departments:

- Department of Chemistry and Biochemistry (CBC)
- Department of Biological Sciences (DBS)
- Department of Mathematics And Physics (DMAPS)
- Department of Nursing & Public Health (DNS)
- Department of Biomedical Sciences (DBS)

The school is currently offering the following programmes spread across the departments.



BACHELOR OF SCIENCE (BIOCHEMISTRY)

Is this the right Program/course for me?

This program is aimed at candidates who are interested in understanding the cellular metabolism of living organisms and application in diverse areas such as agriculture, environment, medical sciences, human and animal health and nutrition, clinical chemistry, pharmacology and drug development. There is huge demand in skilled personnel trained in modern biochemistry techniques in medical and agricultural research institutions, food and pharmaceutical industries and in health institutions. An undergraduate program in Biochemistry will meet the demand for such expertise in the market.

What will I be studying?

Candidates learn cellular biochemistry and metabolism of microorganisms, plants and animals, physiology, immu-

nology, biochemical pharmacology and pharmacognosy, molecular biology, gene technology, bioinformatics, nutritional and ecological biochemistry, biochemistry of microorganisms and their importance in medicine and industry, as well as application of biochemistry in industry, environment and agriculture.

Future prospects

Graduates in BSc. (Biochemistry) will be able to secure employment in medical and agricultural research organizations, pharmaceutical industries, food technology, and health as well as in academic institutions.

BACHELOR OF SCIENCE (CHEMISTRY)

Is this the right Program/course for me?

The backbone of pharmaceutical as well as chemical industry is advances in chemical research. Chemical industry is central to the modern world economy; it converts raw

BACHELOR OF SCIENCE (ENVIRONMENTAL HEALTH)

Is this the right course for me?

Definitely yes. The Bachelor of Science in Environmental Health (BEVH) is a multidisciplinary integrated course aimed at equipping graduates with a wide range of skills, knowledge and attributes in order to assist in the protection of the environment and the health of people living in it.

What will I be studying?

Areas of study include science, law, communication, health and project management, health policy and promotion, food and water safety, risk assessment, emergency and disaster management and sustainability.

Apart from the main stream environmental health practicum individual major studies in Health Promotion, Nutrition, Psychology or Sport Science are crated for in the wide electives embedded within the programme

materials (oil, natural gas, air, water, metals, and minerals) into more than 70,000 different products, which most of them go to serve as starting material in other chemistry based industries and beyond. Pharmaceutical industry is critical to the wellbeing and survival of the human race. The chemical and pharmaceutical industries rely on well-trained scientists to come up with new discoveries, which require a pure chemist.

What will I be studying?

Candidates will be exposed to principles of modern Organic, Inorganic, Physical and Analytical chemistry and will also be equipped with skills relevant to modern research techniques commonly applied in most types of chemical and pharmaceutical industries.

Future prospects

Graduates in BSc. (Chemistry) are usually employed in Research & Development laboratories in various industries such as the pharmaceutical, food, cosmetic, chemical and agro-chemical industries.

Future prospects

The course has strong links with diverse industrial concerns splicing the same with the biomedical industry without locking out key stakeholders and practitioners in the realm of environmental health and allied sciences.

This presents an opportunity to the graduates of the programme to attain high employment outcomes in the private sector, public service local and international environmental NGOs and agencies.

BACHELOR OF SCIENCE (INDUSTRIAL CHEMISTRY)

Is this the right Program/course for me?

The Industrial chemistry is a branch of chemistry which provides a student, in addition to basic chemistry, some knowledge in specific aspect of chemical science relevant to Chemical industry; Pharmaceutical industry; Fine Chemical Industry; Consumer product industry (e.g. Cosmetics and

household chemicals); Agrochemical industry etc. Chemical industry is central to the modern world economy; it converts raw materials (oil, natural gas, air, water, metals, and minerals) into more than 70,000 different products, which most of them go to serve as starting material in other chemistry based industries and beyond. To take advantage of this multibillion dollar industry one require personnel well trained in all the areas of chemistry; Physical, Analytical, Inorganic, Organic and some trained in the fine aspect of industrial chemistry, such as quality assurance and safety, health and environment.

What will I be studying?

In addition to learning Analytical, Organic, Physical, Inorganic and industrial chemistry, candidates will also be equipped with skills relevant to applications of industrial chemistry in agrochemicals, pharmaceutical, polymers/ Rubber, consumer product and food industries among others. They will also be sensitized and taught quality assurance

(QA) and Safety, Health and Environment (SHE) skills, and management of chemical laboratories and scientific instruments.

Future prospects

Graduates in BSc. (Industrial Chemistry) are absorbed in fast growing industries such as agrochemicals, polymers and rubber (elastomers), pharmaceutical, consumer products and food industries which require skilled personnel trained in modern industrial chemistry.

BACHELOR OF SCIENCE (BIOCHEMISTRY)

Is this the right Program/course for me?

A deeper understanding of metabolism and cellular biological processes is requisite in addressing key challenges in medical sciences, human and animal nutrition, pharmacology, toxicology, agriculture and environment. An M.Sc program in Biochemistry will provide the necessary skilled manpower to participate in cutting edge research in all the various fields

above.

What will I be studying?

Core subject areas to be covered in a wider and deeper context include; Biostatistics and Research Methods, Protein and Enzyme Technology, Molecular Cell Physiology, Ecological Biochemistry and Immunology. Candidates may opt to specialize in molecular biology and gene technology, microbial and parasite biochemistry, insect biochemistry, plant biochemistry and secondary plant products, ecological biochemistry, neurochemistry, immunochemistry and cancer. Candidates will be trained in formulating research proposals and trained in conducting research projects including data collection, analysis and scientific writing.

Future prospects

Modern hospitals, Agricultural institutions and Pharmaceutical Industries require skilled personnel trained in Modern Biochemistry techniques. A postgraduate programme in Biochemistry will meet the great demand for such expertise in

the market.

Graduates of this programme are particularly well placed in research laboratories that address key medical issues such as drug design, HIV/AIDs, Cancer, Malaria and other tropical diseases, and food security in agriculture, which require modern biochemistry techniques.

BACHELOR OF SCIENCE (BIOTECHNOLOGY)

Is this the right Program/course for me?

Poverty, hunger and diseases in developing countries represents a major challenge that is dependent on agricultural productivity and the discerning application of science and technology to ensure the health of people and environments globally. In human health, biotechnology offers new ways to understand the genetic basis of diseases, and to develop improved diagnostics, drugs, and vaccines for their treatment. In agriculture and forestry, biotechnology

promises new ways to harness and improve the biological potential of microorganisms and their industrial application, biological potential of crops, livestock, fish and trees, and improve diagnosis and control of the pests and pathogens that damage them.

What will I be studying?

Candidates will learn the use of molecular techniques in disease and pest diagnosis, and characterization of biodiversity, construction of transgenic organisms with improved yields, disease, pest and stress resistance and/or nutritional quality, use of genetic markers, maps and genomic information in marker-assisted and gene-assisted selection and breeding, development of vaccines and drugs using recombinant DNA technology, application of biotechnology in industry, environment and agriculture, research methods and intellectual property rights.

Candidates will be trained in formulating research proposals and trained in conducting research projects including

data collection, analysis and scientific writing.

Future prospects

There is great demand for skilled personnel in modern biotechniques, especially in Research & Development, and product development and recovery in pharmaceutical, fine chemical and cosmetic industries, food industry and in the medical and agricultural research laboratories. Graduates in MSc. Biotechnology will continue to provide the much-needed skilled personnel in the various biotech industries and research laboratories, as well as provide the much-needed innovation in these industries.

BACHELOR OF SCIENCE (COMPUTER SCIENCE)

Is this the right Program/course for me?

The B.S. program in Computer Science combines a solid core of Computer Science courses with the ability to gain substantial depth in the technological world of computers. In addition, the

curriculum provides numerous choices for science and humanities courses.

What will I be studying?

As computing is a discipline with strong links to many fields, this provides students with unparalleled flexibility to pursue allied (or non-allied) interests. The curriculum's mathematics and probability component ensures that students have the formal tools to remain current as technologies and systems change, rather than be limited by a narrow focus on programming alone. At the same time, students gain insight into the practical issues of building and maintaining systems by participating in intensive project-oriented courses.

Future prospects

Gaining this degree assists to create carrier paths as a computer engineer, computer programmer, computer support services provider, web developer, webmaster, website developer, video game developer, multimedia developer, graphic designer and business systems analyst.

BACHELOR OF SCIENCE (NURSING AND PUBLIC HEALTH)

Is this the right Programme/course for me?

This program is aimed at candidates who are interested in human health. It encompasses promotion of health, prevention of disease and illnesses, treatment and care of those infected and affected by various ailments. We impart knowledge and competences in the management of patients and clients in diverse health care settings. Nurses are the backbone of the health care services hence an integral part of the health care workforce in the frontline of providing health care services. There is an acute shortage of nurses nationally and globally hence a dire need to increase the work force. The course has an international repute, a graduate of the program will be able to work in any part of the globe.

What will I be studying

Candidates in this program will learn about the human body structure and how it functions, the problems that various diseases cause to the body and how to treat or manage those diseases/conditions. Candidates will be exposed to human anatomy, human physiology, medical-surgical conditions, public health, nutrition & health, health research, medical education and instruction, health care management.

Future prospects

Graduates of this program have diverse areas in which they can work. Prospects areas for work are the clinical in hospitals and other health facilities to take care of the sick, medical research organizations, pharmaceutical firms, medical insurances firms, teaching in medical training institutions, administration of health services, operation of private clinics and nursing homes.



BACHELOR OF SCIENCE IN NURSING (RN-BSCN UPGRADING)

Is this the right Program/course for me?

This course is aimed at candidates who already have a diploma in nursing and like to further their education in the line. It is aimed at increasing the knowledge base and change of behavior with a view to improving the quality of nursing services. The mode of delivery is friendly to the work force to a great extent with a guarantee of getting the best value for your money and time. The nursing profession more than ever before requires personnel with the right knowledge and competences to surmount the challenges of emerging and re-emerging diseases with the know how in the usage of advance technology. We give you that opportunity.

What will I be studying?

Candidates will be exposed to in depth knowledge of health

science courses, current management of medical-surgical diseases, health education and instructional methods, health management systems, health research

Future prospects

Graduates in this program open up their opportunities to a wider market. Those already in the working class are legible for job promotion or advancement in view of acquired degree. There is expansion of job market in medical research organizations, pharmaceutical firms, medical insurances firms, teaching in medical training institutions, administration of health services, operation of private clinics and nursing homes.

BACHELOR OF SCIENCE (BOTANY/ZOOLOGY MAJOR WITH MATHEMATICS/CHEMIS- TRY)

Is this the right Program/course for me?

Plants are key to life and animal existence on earth: from single-celled algae to the planet's largest forest trees, they make invaluable contribution to our world's biodiversity of both flora and fauna, and generate the oxygen, food, fibres, fuel, medicine among other ecosystems services that allow human life to exist on earth. Plants produce, directly or indirectly, all of the food we eat, and with a growing world population, that fact is more important than ever. Over 80% of the world's food is produced from just three plant species - rice, wheat and maize. The B.Sc. in Plant Microbial Sciences is a four year course is designed to give

you a strong knowledge base in Botany and Zoology to enter into any career after graduation within agronomy or join the academia in education, research and development.

What will I be studying?

Candidates learn cellular basis of life, Cell biology and genetics, Botanical/Zoological techniques, Plant biochemistry and physiology, Economic botany, Biosystematics and palynology, Cytogenetic and molecular biology, Applied microbiology, Plant breeding, Arid land ecology, Environmental microbiology, Medical microbiology, Microbial genetics, Biotechnology, Diagnosis and control of plant diseases, Molecular Markers and Applications, Principles of Medical Microbiology, Integrated Pest and Vector Management, and Tropical Biodiversity among others.

Future prospects

As a Pwani University B.Sc. (Plant and microbial science) Graduate, you satisfy the demand for qualified employees

in the agronomy industry, Medical research, Parasitology, as well as academia, and you will have the chance to be involved in one of the most dynamic fields in plant and microbial sciences with many opportunities available to you.

BACHELOR OF SCIENCE (MARINE BIOLOGY AND FISHERIES)

Is this the right Program/course for me?

Globally, Marine and fishery resource is a critical pillar of many coastal economies and a key source of livelihoods for thousands of coastal communities. The ever increasing use of the oceans and coastal zones presents marine biologists, fisheries scientists, oceanographers, hydrologists and coastal and marine resource managers with numerous challenges. Questions asked rhyme from one coast to the next: How can we;- maximise sustainable fish yields with minimal adverse ecological effects on habitats, marine mammals and other

components of the ecosystem? Conduct mariculture using eco-friendly techniques to avoid polluting our coasts? Manage increasing tourism and industry in the coastal zone while preserving marine biodiversity? Exploit our coastal zone resources including oil and gas without adversely affecting the near-shore and offshore resources? This specialist science degree course provides you with the training needed for you to give informed consideration to these important ecological and global issues.

What will I be studying?

The course emphasizes in the expert training in marine sciences right from the start with practical marine and safety classes in the first year of study, to emphasis on a final-year dissertation in applied aspects of the subject including Marine Biology, Fisheries, Mariculture, Anthropogenic impacts on marine life, Coastal protection, and on Natural marine products. Key areas of training include Ecology and Bio-analysis, Practical Marine safety and survival skills training, Oceanography & Marine meteorology, Remote Sensing &

Geo-informatics,

Mariculture, Genetics and Conservation of Fish Populations, Fish Stock Assessment, Environmental Impact Assessment & Audit, Marine Pollution and Eco-toxicology, Economics and Marketing, Fisheries Resource management, Legislation, Policies and Ecosystem Approaches, Fishing Gear & Craft Technology, Fish Processing Technology.

Future prospects

The course is ideal preparation for careers in research, conservation, fisheries and aquaculture, government advisory bodies, the scientific media, eco-tourism and other leisure industries and pressure groups. As a graduate of Pwani University B.Sc. (Marine Biology and Fisheries), you join the wide field of marine careers scientists who are knowledgeable and conversant with functioning of coastal and marine ecosystems; and management and conservation of their fisheries resources, and work in government institutions of marine and fisheries research, conservation groups and

NGO's to international forums in nature and marine conservation as well as the opportunity to join the academia

BACHELOR OF SCIENCE (MICROBIOLOGY)

Is this the right Program/course for me?

This is a specialized course in plant and microbial science trains the candidate towards specialization in microbial Sciences giving specialist knowledge of microbiology along with a broad grounding in the other molecular biosciences. The candidates have an option to specialize in projects featuring environmental, agricultural or medical microbiology at the end of the course and during their undergraduate research and dissertation, with the chosen specialization providing a firm foundation for specialized training at graduate level

What will I be studying?

Ecology & Bio-analysis, Classical analysis & separation



techniques, Plant morphology & anatomy, Histology, Phytopathogens, Comparative physiology, Molecular genetics, Plant Pathology, Virology, Microbial physiology, Immunology, Parasitology, Applied & Environmental Microbiology, Microbial Genetics, Biotechnology, Industrial/Aquatic Microbiology, Medical Helminthology

Future prospects

The demand for qualified microbiologists has ever been growing, both for basic research and practical applications. There are numerous pending discoveries and, microbiologists are still studying how known microbes function. Resultantly, the field of microbiology has virtually unlimited potential. Microbiologists are needed across many industries, including academic, technology, industrial and environmental organizations. As a graduate of the Pwani University BSc. (Microbiology) honours, you have a choice to work with a variety of employers including the government, state and county health departments, and academic institutions as well as in pharmaceutical companies, biotechnology firms, food and beverage industries, and manu-

facturing companies.

MASTER OF SCIENCE (MICROBIOLOGY)

Is this the right Program/course for me?

This masters degree course builds on the undergraduate training in plant and microbial sciences advancing the training towards specialization in particular fields of the Microbial sciences including Mycology, Virology, Molecular genetics, Bacteriology, Applied Microbiology, Environmental Microbiology and Pathogenic Microbiology

What will I be studying?

From the undergraduate foundations in Ecology & Bio-analysis, Classical analysis & separation techniques, Histology, Phytopathogens, Molecular genetics, Plant Pathology, Virology, Microbial physiology, Immunology, Parasitology, and related courses, the Pwani University MSc. Microbiology Candidate advances in mycology, virology, Microbial pesticides, Molecular

genetics, Bacteriology, Environmental, Applied and Pathogenic microbiology.

Future prospects

The graduate of Pwani University M.Sc. (Microbiology) joins field of virtually unlimited potential with an endless demand for qualified microbiologists, both for basic research and practical applications. Key areas of choice include academic, technology, industrial and environmental organizations, pharmaceutical companies, biotechnology firms, food and beverage industries, and manufacturing companies.

MASTER OF SCIENCE (FISHERIES)

Is this the right Program/course for me?

This M.Sc. Honours degree course builds on the undergraduate training in marine biology and fisheries advancing the training towards specialization in particular fields of

the marine biology, fisheries and oceanography including Fisheries Management, Aquaculture, Marine Ecology, Ichthyology and systematic, Fish Parasites and Diseases and Reservoir management.

What will I be studying?

From the undergraduate foundations in Marine biology, Fisheries, Ecology and Bio-analysis, Oceanography & Marine meteorology, Remote Sensing & Geo-informatics, Genetics and Conservation of Fish Populations, Fish Stock Assessment, Environmental Impact Assessment & Audit, Marine Pollution and Eco-toxicology, the candidate advance their training through research in specialised fields including Marine Biology, Ecology, Fisheries, Fish Ichthyology and systematic, Oceanography and biodiversity conservation.

Future prospects

The graduates of Pwani University M.Sc. (Fisheries) answer to the numerous questions asked by coastal and marine

resources managers with regards to sustainability and conservation. They graduates join the endless world of the marine and ocean science with unlimited potential in academic, community conservation, non-governmental organizations, government and international organizations involved in regional marine resource management, conservation and biodiversity protection for endangered species.

MASTER OF SCIENCE (CHEMISTRY)

Is this the right Program/course for me?

Chemistry is the backbone of most industries. However, the ever-changing technology has led to need of continued training of highly skilled workforce to keep the industries up to date and provide new innovations. Graduates of this program will be able to continue providing the much-needed innovation in the chemical as well as pharmaceutical industry.

What will I be studying?

In addition to learning the sub-disciplines of chemistry i.e. inorganic, organic, physical and analytical chemistry on a deeper and much wider level, candidates have option of specializing in any of these subject areas.

Candidates will be trained in formulating research proposals and trained in conducting research projects including data collection, analysis and scientific writing.

Future prospects

MSc. Chemistry graduates are well placed in different material, food and pharmaceutical industries, as well as in tackling environmental concerns that require analytical skills. They are also fundamentally important in research, development and innovation, and in process design and product recovery in industry.

MASTER OF PUBLIC HEALTH

Is this the right course for me?

Absolutely so. The solutions for many current global public health problems require practitioners who are highly trained and specialized in specific aspects of public health such as that offered by this programme.

What will I be studying?

The MPH at PU is specialized training that strives to provide the student with the requisite knowledge base, inculcate appropriate attitudes and develop skills in collection, collation of information, formulation and presentation of views.

The training can basically be clustered as follows:

- i. The Individual
 - Law Ethics and Public Health
- ii. The Community
 - Community Health and Primary Health
 - Socio cultural Dimensions of Health

- iii. The Service
 - Health Service Management
 - Health Information Systems Management
 - Health Project Management
- iv. The Research
 - Research Methodology
- v. The Electives
 - Epidemiology and Disease Control
 - Disaster Management
 - Health Service Management
 - Community Health and Nutrition
 - Biomedical Statistics
 - Health Promotion and Education
 - Monitoring and Evaluation
 - Clinical Trials

Future prospects

As an environmental and public health practitioner there exists a plethora of career opportunities in management

PhD

and policy formulation in biomedical and environmental services within government, institution of higher learning and research entities as well as the private sector.

PhD in BIOCHEMISTRY

Is this the right Program/course for me?

This program is designed for individuals with a passion in understanding complex life processes and applying the knowledge in cutting edge research related to animal and human health, food and pharmaceutical industry, food security and environmental issues or even research in basic sciences.

What will I be studying?

Candidates will be trained in formulating research problems, experimental design, executing and managing research projects and scientific writing in subject areas of interest in medical, agricultural, environmental, pharmaceutical and food biochemistry. The rigorous training enables them develop the ability to understand complex biological processes, have a full and critical understanding of relevant texts, develop critical and analytical

skills and independent thinking and problem-solving. They gain practical and technical experience that prepares them well for a research, technical or academic position.

Future prospects

Holders of Doctoral degrees in Biochemistry can be employed as Biomedical Scientists, Clinical Biochemists, Clinical research associate, Forensic Scientist, Toxicologists and also higher education lecturers, in research institutes, universities, large companies in the private and industrial sectors, public health and government laboratories.

PhD (BIOTECHNOLOGY)

Is this the right Program/course for me?

This program is designed for individuals with a passion in applying modern biotechnology tools in problem solving and product development and recovery within the areas of medicine agriculture, environment and industry. There is a huge demand for scientists in stem cell research, cancer and HIV/AIDS treatment, receptor biology, gene therapy and tissue engineering, bioin-

PhD

formatics, bio-analytical chemistry, drug formulations and drug delivery, clinical research and bioprocess engineering. Training in Biotechnology to Doctoral level produces highly skilled personnel who can work competently in any of these areas.

What will I be studying?

Depending on the area of interest, a candidate is trained to use modern biotechnological tools such as bioinformatics, recombinant DNA technology, genetic engineering, immunotechniques and bioprocess engineering for application in drug formulation and development, production and recovery of bioactive compounds, gene therapy, diagnostics, HIV/AIDS, Cancer and other research areas in human and animal medicine.

Future prospects

Many PhD (Biotechnology) holders work in research and development in exciting cutting edge research areas such as cancer biology, vaccines, immunology, animal bio-

technology, plant biotechnology, bioprocess engineering, drug discovery. Many biotechnologists work in biotech companies and biotech industries, in the research and development laboratories called “discovery research”, where they are involved in discovery and development of new processes, drugs, vaccines, bioactive compounds and even new technologies.

Apart from research institutions and biotechnology companies, there are also employment opportunities in colleges, universities and other institutions of higher learning. They also serve as consultants, or venture into patent law and intellectual property, and senior management positions, which require in-depth knowledge of scientific fundamentals and research dynamics.

PhD (CHEMISTRY)

Is this the right Program/course for me?

There is always a demand for synthetic organic chemists in the process research and development in pharmaceutical

industry to cope with the demand for new and more effective drugs to combat various illnesses and ailments. There is also need for analytical chemists in diagnostics, agriculture and environment. As the trends shift towards alternative medicine, there is growing demand for medicinal and natural products chemists. A PhD in any of these sub-disciplines provides the demand for skilled personnel in these industries.

What will I be studying?

Doctoral candidates cover comprehensive academic coverage across the chemical sciences and have the choice to engage in excellent in-depth research in all the core sub-disciplines of chemistry. Upon graduating, candidates are able to apply critical and analytical skills and independent thinking in problem solving.

Future prospects

Doctoral graduates in the various sub-disciplines of chemistry are well suited in undertaking process research and development in pharmaceutical science, biotechnology, material science, and various other industries such as food, fine chemicals and cosmetics.





Pwani University **FEE STRUCTURE**

Application fees are as follows:

- Masters and PhD - Kshs. 3,000.00
- Bachelors Degree - Ksh. 2,000.00
- Diploma - Ksh. 1,000.00
- Certificate - Ksh. 500.00.

FEES IS PAYABLE PER SESSION AS FOLLOWS:

(There are 3 sessions in a year).

Certificate

- Tuition: (1 year) Kshs. 45,500
- Certificate in short courses: 20,000/=

Diploma

- Tuition: Kshs. 72,000/=

Bachelors

- (a) Arts oriented:
 - Tuition: KShs. 100,000/=
- (b) Science oriented
 - Tuition: Kshs. 110,000/=

- (c) Agriculture and HTM
 - Tuition: Kshs. 120,000/=
- (d) Nursing
 - Tuition: Kshs. 267,200/=
 - Placement: Kshs. 40,000/=

Masters

- (a) Arts based
 - Tuition: Kshs. 120,000/=
- (b) Science based
 - Tuition: Kshs. 130,000/=

PhD

- Tuition: Kshs. 234,000/=

The applicants are to pay non-refundable processing fees in the following Pwani University Bank Accounts and ATTACH THE RECEIPT (bank deposit receipt) to the application form on returning it to the University.

EQUITY BANK LTD (Kilifi Branch)

ACC./NO. 0460291566407,

OR

BARCLAYS BANK LTD (Kilifi Branch)

ACC/NO. 1046501,

OR

COOPERATIVE BANK LTD (Kilifi Branch)

ACC/NO. 01129465157200

UNIVERSITY CALENDAR

The academic calendar at Pwani University is semesterised depending on mode of study as follows:

- For the Full-Time mode, the first semester starts in late August for freshers while the continuing students report early September of every calendar year and the semester ends in December.
- The Second Semester starts in January and ends late March. Students then proceed for their long holidays starting from April and end in August.

- The Institutional/ School Based Mode's Tuition is split into three sessions for each academic year. The first Session is normally held in December of each calendar year while the second and third sessions are held in April and August of each year respectively.

PROFESSIONAL FEES:

In addition to the Tuition and statutory fees, students whose programs have Teaching Practice or Field Attachment component are expected to register for these components in order to fulfill the requirements of the programs as indicated below:

LEVEL	ATTACHMENT FEES	TEACHING PRACTICE FEES
DEGREE	Kshs. 8,000.00	Kshs.12,000.00
DIPLOMA	Kshs. 4,500.00	Kshs. 7,000.00
CERTIFICATE	Kshs. 2,500.00	Kshs. 3,500.00

Students will be required to pay statutory fees per academic year as follows:

- *Degree and Diploma Programmes: Kshs. 17,700/=.*
- *Certificate Programmes: Kshs. 10,900/=.*

These figures are subject to change from time to time.

Credit Waivers will be given to deserving candidates in line with the University regulations.

Scenes from Kilifi County...



Scenes from Kilifi County...





Pwani University,
P. o. Box 195-80108,
Kilifi, Kenya

Tel: +254 41 7525 101/3/4/6/7

Fax: +254 41 7522 128

email: info@pu.ac.ke

website: www.pu.ac.ke