

**KWAME NKRUMAH UNIVERSITY OF SCIENCE AND  
TECHNOLOGY, KUMASI**

**SCHOOL OF GRADUATE STUDIES**

**ADMISSION OF CANDIDATES TO RESEARCH OR HIGHER  
DEGREE PROGRAMMES FOR THE 2023/2024 ACADEMIC YEAR**

Applications are invited from suitably qualified candidates for admission to research and higher degree programmes (MSc/MEd/MArch/MFA/MA/MComm/MBA/MPA/MPH/LLM/MPhil/PhD/EdD)

**GENERAL ADMISSION REQUIREMENTS**

**i. Masters Programmes**

At the time of application, applicants should possess a Bachelor's Degree or its equivalent from a recognised Institution in the relevant field of study. Preference will be given to applicants with FIRST CLASS OR SECOND CLASS (UPPER DIVISION).

**ii. PhD Programmes**

Candidates applying for a Doctor of Philosophy degree must have an MPhil degree or its equivalent from a recognised Institution and shall submit evidence of adequate training and ability to undertake the proposed programme.

**PROGRAMME DURATION**

Unless otherwise stated, the duration for Masters Programmes (Full-Time) is Two (2) Academic Years and (Part-Time) Three (3) Academic Years, PhD Programmes (Full-Time) are for Four (4) Academic Years and (Part-Time) Five (5) Academic Years.

**MODE OF APPLICATION**

Sale of **E-Vouchers** for admission shall commence on **22<sup>nd</sup> May, 2023**

Prospective applicants should purchase an e-Voucher containing Login ID/Serial Number and PIN for **GH¢280.00** at the following banks: GCB Bank, Consolidated Bank Ghana (CBG) or Ecobank or dial \*447\*160# on any network and follow the prompts.

Candidates should then proceed to the online admissions portal: **<https://apps.knust.edu.gh/admissions/>** and begin the application process.

Once the process is completed, candidates **MUST PRINT OUT TWO (2) COPIES** of the completed application form from the portal and submit them (**by post**) to the School of Graduate Studies together with all relevant documents (Photocopies of Certificates, two (2) Recommendation Letters/ Confidential Reports, Statement of Purpose, and [**Transcript** for those whose qualification used for the application was not obtained from KNUST]) to the following address:

**The Secretary  
School of Graduate Studies  
KNUST  
Kumasi-Ghana**

Any hand-delivered application shall not be processed. The deadline for the sale of forms and completion of online application is **31<sup>st</sup> October, 2023**.

Application forms submitted after the deadline shall not be processed. Only candidates who successfully gain admission shall be notified subsequently.

**NB:** All International Applicants are to generate Login ID/Serial Number and PIN for the online application using the link below.

**<https://apps.knust.edu.gh/admissions/apply/Account/Register>**

***NB:** All Candidates from non-Anglophone countries must have an internationally recognised Certificate of Proficiency in English Language (TOEFL or British Council, IELTS) with an above average score or be available to attend a three (3) months English language course at the KNUST-Department of English.*

## **A. COLLEGE OF AGRICULTURE AND NATURAL RESOURCES**

### **• FACULTY OF AGRICULTURE**

#### **1. Department of Animal Science**

##### **i. MPhil. Animal Breeding and Genetics**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper/Lower Division)) in Agriculture, Animal Science, Biotechnology, Statistics, Mathematics, Biology, Natural Sciences, Veterinary Medicine, or related disciplines from any recognised University. Candidates would be required to pass a selection interview.

##### **ii. MPhil. Reproductive Physiology**

##### **iii. MPhil. Animal Nutrition**

##### **iv. MPhil. Meat Science**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper/Lower Division)) in Agriculture, Animal Science, Biotechnology, Biology, Natural Sciences, Veterinary Medicine, or related disciplines from any recognised University. Candidates would be required to pass a selection interview.

##### **v. PhD. Animal Breeding and Genetics**

##### **vi. PhD. Reproductive Physiology**

##### **vii. PhD. Animal Nutrition**

##### **viii. PhD. Meat Science**

Candidates must have a Master's degree or its equivalent in Agriculture, Animal Science, Biotechnology, Biology, Veterinary Medicine, Reproductive Physiology or related disciplines from any recognised University and shall submit evidence of adequate training and ability to undertake the proposed programme. Candidates would be required to pass a selection interview.

## **2. Department of Agricultural Economics, Agribusiness and Extension**

#### **i. MSc. Agribusiness Management**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in Agribusiness Management, Business Administration, Agriculture, and relevant subject areas from an approved University or Institution of Higher Learning. Preference would be given to candidates with several years of relevant academic, administrative, or field experience. Candidates must have a thorough proficiency in written and spoken English. Candidates shall be required to pass a selection interview.

#### **ii. MSc. Agricultural Extension and Development Communication**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Agriculture or relevant subject areas (Natural Resources Management, Rural Development, Development Planning, Development Studies, Environmental Management, Sociology, Psychology) from an approved University or Institution of Higher Learning. Preference would be given to candidates with several years of relevant academic, administrative, or field experience. Candidates must have a thorough proficiency in written and spoken English. Candidates shall be required to pass a selection interview.

#### **iii. MPhil. Agribusiness Management**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Agribusiness Management, Business Administration, Agriculture and relevant subject areas from an approved University or Institution of Higher Learning. Preference would be given to candidates with several years of relevant academic, administrative, or field experience. Candidates must have a thorough proficiency in written and spoken English. Candidates shall be required to pass a selection interview.

#### **iv. MPhil. Agricultural Economics**

Candidates must have a Bachelor of Science (BSc) or Bachelor of Art (BA) degree (Minimum of Second Class (Upper Division)) or its equivalent in Agricultural Economics, Economics, or other related disciplines from a recognised University. Candidates must pass a selection interview to be

conducted by the Department and demonstrate their ability to pay the required fees.

**v. MPhil. Agricultural Extension and Development Communication**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Agriculture or relevant subject areas (Natural Resources Management, Rural Development, Development Planning, Development Studies, Environmental Management, Sociology, Psychology) from an approved University or Institution of Higher Learning. Preference would be given to candidates with several years of relevant academic, administrative, or field experience. Candidates shall be required to pass a selection interview. Holders of MSc. Agricultural Extension and Development Communication who would want to upgrade to an MPhil degree must pass a selection interview and may be required to audit some relevant courses.

**vi. PhD. Agribusiness Management**

Candidates must have an MSc/MPhil degree in Agribusiness Management or equivalent qualifications from a recognised University or Institution of Higher Learning. Other MSc/MPhil or equivalent degree holders in relevant subject areas (Agriculture, Natural Resource Management, Rural Development, Economics, Development Planning, Development Studies, Business Administration) from any accredited institution may be required to take relevant courses from the MSc/MPhil Agribusiness programme as may be prescribed. Candidates shall be required to pass a selection interview.

**vii. PhD. Agricultural Extension and Development Communication**

Candidates must have an MSc/MPhil degree in Agricultural Extension and Development Communication or equivalent qualifications from a recognised University or Institution of Higher Learning. Other MSc/MPhil or equivalent degree holders in relevant subject areas (Agriculture, Natural Resource Management, Rural Development, Development Planning, Development Studies, Environmental Management, Sociology, Psychology) from any accredited institution may be required to take relevant courses from the MSc/MPhil Agricultural Extension and Development

Communication programme as may be prescribed. Candidates shall be required to pass a selection interview.

**viii. PhD Agricultural Economics**

Candidates must have an MSc/MPhil degree in Agricultural Economics or equivalent qualifications from a recognised University or Institution of Higher Learning. Other MSc/MPhil or equivalent degree holders in relevant subject areas (Agribusiness Management, Natural Resources Management, Economics, Development Planning, Development Studies) from any accredited institution may be required to take relevant courses from the MPhil Agricultural Economics programme as may be prescribed. Candidates shall be required to pass a selection interview.

**3. Department of Crop and Soil Sciences**

- i. MPhil. Agronomy**
- ii. MPhil. Agronomy (Crop Physiology)**
- iii. MPhil. Crop Protection (Entomology)**
- iv. MPhil. Crop Protection (Nematology)**
- v. MPhil. Crop Protection (Plant Pathology)**
- vi. MPhil. Crop Protection (Plant Virology)**
- vii. MPhil. Plant Breeding**
- viii. MPhil. Soil Science**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in Agriculture or a related discipline from a recognised. All applicants will have to pass a selection interview

- ix. PhD. Agronomy**
- x. PhD. Crop Physiology**
- xi. PhD. Nematology**
- xii. PhD. Plant Breeding**
- xiii. PhD. Plant Entomology**
- xiv. PhD. Plant Pathology**
- xv. PhD. Plant Virology**
- xvi. PhD. Soil Science**

Candidates must have either a two-year MSc or MPhil degree in the relevant discipline. In addition, all applicants will have to pass a selection interview.

#### **4. Department of Horticulture**

- i. MPhil. Postharvest Technology**
- ii. MPhil. Seed Science and Technology**
- iii. MPhil. Fruit Crops Production**
- iv. MPhil. Vegetable Crops Production**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in Postharvest Technology, Agriculture, Agricultural Biotechnology, Agribusiness Management, Food Science or any closely related allied field. However, such candidates shall be required to satisfy prerequisites courses. Candidates with Second Class (Lower Division) may be considered after a selection interview and or agreeing to audit some relevant undergraduate agricultural courses. Candidates with a Pass must have relevant working experience in the Postharvest sector and would have to pass an interview.

#### **v. MPhil. Landscape Studies**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Landscape Design and Management, Agriculture, Architecture, Communication Design, Tourism, Natural Resources, or certificates in other closely related programmes.

- vi. PhD. Postharvest Technology**
- vii. PhD. Seed Science and Technology**
- viii. PhD. Fruit Crops Production**
- ix. PhD. Landscape Studies**
- x. PhD. Vegetable Crops Production**

Candidates must have a Master's degree or its equivalent in the relevant field of study, including Horticulture, Agronomy, Biological/Environmental Science, Postharvest Technology, Food Science, Biochemistry, or related disciplines from any recognised University and shall submit evidence of adequate training and ability to undertake the proposed programme. All applicants will have to pass a selection interview.

### **• FACULTY OF RENEWABLE NATURAL RESOURCES**

#### **1. Department of Wildlife and Range Management**

- i. MPhil. Wildlife and Range Management**
- ii. MSc. Geo-Information Science for Natural Resources Management**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) or equivalent from an accredited university in a discipline related to the course, preferably combined with relevant work experience. Candidates must also attend and pass a selection interview.

#### **iii. PhD. Wildlife and Range Management**

Candidates must have a Master's Degree in Wildlife and Range Management, Forestry, Natural Resources Management and other related disciplines. Candidates must also attend and pass a selection interview.

#### **2. Department of Silviculture and Forest Management**

##### **i. MPhil. Natural Resources and Environmental Governance**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Natural Resource Management, Environmental Management, Environmental Science, Agriculture, Engineering, Planning, Land Economy, Law, Business, Social or Natural Sciences. Applicants with Second Class Lower and some work experience may be admitted after an interview.

##### **ii. MPhil. Silviculture and Forest Management**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in Natural Resource Management, Environmental Management, Agriculture, Environmental Science, or Natural Sciences. All applicants will have to pass a selection interview.

### **iii. PhD. Silviculture and Forest Management**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division) in Natural Resource Management, Environmental Management, Agriculture, Environmental Science or Natural Sciences, plus a good Master's Degree in Natural Resource Management, Environmental Management, Agriculture, Environmental Sciences, Land Economy, Law, Business, Social or Natural Sciences. Applicants with Second Class Lower Division and a good Master's Degree, in addition to some work experience, may be admitted after an interview.

### **3. Department of Agroforestry**

#### **i. MPhil. Agroforestry**

Candidates must have a Bachelor's degree (Minimum of Second Class (Lower Division)) in Natural Resources Management, Agriculture or Biological Sciences. Graduates in other disciplines with relevant field experience shall also be considered for admission. In addition, candidates will be required to attend and pass a selection interview.

#### **ii. PhD. Agroforestry**

Candidates must have an MPhil/Master of Research degree in Agroforestry, Natural Resources Management, or related field of study with appropriate field experience. Candidates will be required to take relevant courses during the programme. In addition, candidates will be required to attend and pass a selection interview.

### **4. Department of Wood Science and Technology Management**

#### **i. MPhil. Packaging Technology and Management**

Candidates must have a good Bachelor's degree in Science, Social Sciences, Art or Business Administration.

#### **ii. MPhil. Wood Science and Technology**

Candidates must have a good Bachelor's degree in Science related fields.

### **iii. PhD. Wood Science and Technology**

Candidates must have an MSc/MPhil in Wood Science, Wood Technology or Wood Technology and Management or any other Science related Masters programme.

### **5. Department of Fisheries and Watershed Management**

#### **i. MPhil. Aquaculture and Environment**

#### **ii. MPhil. Fisheries Management**

#### **iii. MPhil. Watershed Management**

Candidates must have a degree (minimum of Second Class (Upper Division)) in any of the following fields: Fisheries Sciences, Natural Resource Management, Environmental Sciences, Agricultural Sciences, Biological and Physical Sciences, or any related discipline. Applications are not restricted to candidates with degrees in the Sciences, all candidates shall be considered individually. Applications from mature candidates shall be considered on individual basis.

#### **iv. PhD. Aquaculture and Environment**

#### **v. PhD. Fisheries Management**

#### **vi. PhD. Watershed Management**

Candidates must have a Masters degree in any of the following fields: Fisheries Sciences, Natural Resource Management, Environmental Sciences, Agricultural Sciences, Biological and Physical Sciences, or any related discipline. Applications are not restricted to candidates with degrees in the Sciences, all candidates shall be considered individually. Applications from mature candidates shall be considered on individual basis.

## **B. COLLEGE OF ART AND BUILT ENVIRONMENT**

### **• FACULTY OF BUILT ENVIRONMENT**

#### **1. Department of Architecture**

##### **i. MSc. Architecture (Top-up) One Year**

Candidates who have completed the Postgraduate Diploma (or higher) in Architecture and related fields of study from accredited/government recognised university may be admitted. Candidates must demonstrate relevant experience as well as the capacity for undertaking advanced academic study with at least an Undergraduate and Postgraduate cumulative weighted average in architectural studies of at least 60.00, and Portfolio of architectural studies (or related fields) works. Candidates must pass a selection interview.

##### **ii. MArch (Master of Architecture)**

Candidates must have Bachelor of Science degree in Architecture (minimum of Second Class (Upper Division)) from any accredited/recognised university. Candidates with Second Class (Lower Division) would be interviewed to ascertain their suitability for the programme. If they do not pass the interview, they would be attached to a recognized architectural firm for a year before being admitted for the programme. This year of attachment would be integrated into the candidate's National Service period. Candidates who obtain only a Pass would automatically be made to go out for a year attachment/National Service before being allowed into the M. Arch programme.

##### **iii. MPhil Architectural Studies – Two Years**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Architecture from a recognised university. Candidates must have a one-year relevant industrial or research experience and must show strong research abilities. Candidates must submit a research proposal of 3,000 to 5,000 words as part of the admission requirements.

#### **iv. PhD. Architecture**

Candidates must have a master's degree in architecture from a recognised university. Postgraduate Diploma in Architecture holders following initial registration on an MPhil Architecture programme may be considered for admission. Applicants who hold a First Class undergraduate degree from a recognized university may also be considered for admission to the MPhil/PhD programme if they are successful in the pre-admission interview. Candidates must have a minimum of two years' relevant industrial or research experience and must submit a research proposal of 3,000 to 5,000 words as part of the admission requirements.

#### **2. Department of Construction Technology and Management**

##### **i. MSc. Construction Management**

##### **ii. MPhil. Construction Management**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Building Technology, Post-graduate diploma (PGD) in Architecture, Construction Technology and Management, Quantity Surveying, and Construction Economics or Civil Engineering. Candidates with an Architecture background must have obtained a PGD or MSc in Architecture or a registered qualification in Architecture. Candidates must attend and pass a selection interview. Candidates must submit a sustainable proposal and workable programme that fit into the construction industry. Candidates applying for the MPhil will be admitted in the MSc. Construction Management programme in the first year and may be upgraded to the MPhil in the second year after a satisfactory performance.

##### **iii. MSc. Procurement Management**

##### **iv. MPhil. Procurement Management**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in any field/discipline. Candidates must attend and pass a selection interview. Candidates must submit a sustainable proposal and workable programme that fits into the construction industry. Candidates applying for the MPhil will be admitted in the MSc. Procurement Management programme in the first year and may be upgraded to the MPhil in the second year after a satisfactory performance.

#### **v. PhD. Procurement Management**

Candidates must have a Master's degree or its equivalent from a recognised institution in Procurement and Supply Chain Management. Candidates with a two-year Master's degree in Construction Management are admissible. Candidates shall demonstrate sufficient ability to undertake the programme. Candidates must attend and pass a selection interview. Candidates must submit a sustainable research proposal and workable programme. Evidence of publication will be an added advantage.

#### **vi. MSc. Project Management (One Year)**

#### **vii. MPhil. Project Management**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in any field/discipline. Candidates must have a minimum of two years' relevant industrial or research experience. Candidates must attend and pass a selection interview. Candidates must submit a researchable thesis proposal and a workable programme. Candidates applying for the MPhil will be admitted in the MSc. Project Management programme in the first year and may be upgraded to the MPhil in the second year after a satisfactory performance.

#### **viii. PhD. Project Management**

Candidates must have a Master's degree or its equivalent from a recognised institution in any field. Candidates with a two-year Master's degree in Construction Management are admissible. Candidates shall demonstrate sufficient ability to undertake the programme. Candidates must attend and pass a selection interview. Candidates must submit a sustainable research proposal and a workable programme. Evidence of publication will be an added advantage.

#### **ix. MPhil. Building Technology**

Candidate must have a bachelor's degree (minimum of Second Class (Lower Division)) in Architecture (Pg., DIP, MSc), Building Technology, Construction Technology and Management, Quantity Surveying and Construction Economics, MTech, and Civil Engineering. Candidates shall demonstrate sufficient ability to undertake the programme and must submit a sustainable research proposal and workable programme. In addition, candidates must attend and pass an interview.

#### **x. PhD. Building Technology**

Candidates must have a Master's degree or its equivalent from a recognised institution in Architecture, Building Technology, Quantity Surveying and Construction Technology and management, and Civil Engineering. Candidates with a two-year Master's degree in Construction Management are admissible. Candidates shall demonstrate sufficient ability to undertake the programme. Candidates must have a minimum of two years relevant industrial or research experience. Candidates must attend and pass a selection interview. Candidates must submit a sustainable research proposal and a workable programme.

#### **xi. PhD. Construction Management**

Candidates must have a Master's degree or its equivalent from a recognised institution in Architecture, Building Technology, Quantity Surveying and Construction Technology and management, and Civil Engineering. Candidates with a two-year Master's degree in Construction Management are admissible. Candidates shall demonstrate sufficient ability to undertake the programme. Candidates must attend and pass a selection interview. Candidates must submit a sustainable research proposal and workable programme. Evidence of publication will be an added advantage.

### **3. Department of Planning**

#### **i. MSc. Development Planning and Management (SPRING) (Accra and Kumasi Centres - Weekend)**

#### **ii. MPhil. Development Planning and Management (SPRING) (Accra and Kumasi Centres - Weekend)**

All admitted candidates are initially enrolled in the Master of Science option. The MSc. is for twelve (12) calendar months, within which students who pass all required courses and are supervised to prepare and submit a dissertation, will be awarded a Master of Science degree in Development Planning and Management.

Candidates who obtain CWA of 70% or more at the end of the first year may progress as MPhil. Development Planning and Management candidates for the second year. Such candidates would spend the second academic year

writing their theses and attending relevant seminars. The MPhil thesis will be an upgrade of their MSc dissertation and should be submitted by the end of the second year.

Applicants who have completed the one (1) year MSc. Development Planning and Management programme can be enrolled for one (1) year top-up leading to the award of an MPhil degree after passing a selection interview. Successful applicants would spend the academic year writing their theses and attending relevant seminars. Candidates will be required to generate a researchable topic in relevant thematic areas and complete the thesis at the end of the year.

The MPhil is a two (2) year programme comprising one (1) year of course work and another year of research work. Students are expected to pass all courses before commencing their research work in the second year.

The MSc. and MPhil. Development Planning and Management (SPRING) programmes are opened to Planners, Managers, Administrators and other professionals in development practice and related fields. Applicants must have Bachelor's degree in the Second Class (Lower Division) or above or its equivalent from recognized institutions in the following programmes:

***Planning, Development Studies, Integrated Development Studies, Geography, Environmental Studies, Social Studies, Sociology, Land Economy, Agriculture, Renewable Natural Resources, Economics, Civil Engineering, Business and Public Administration or other relevant programmes.***

Applicants with post-graduation experience in industry or research may have an added advantage. All applicants must pass a selection interview before gaining admission.

**iii. MSc. Development Policy and Planning (Accra and Kumasi Centres - Weekend)**

**iv. MPhil. Development Policy and Planning (Accra and Kumasi Centres - Weekend)**

All admitted candidates are initially enrolled in the Master of Science option. The Master of Science Programme is for twelve (12) calendar months, within which students who pass all required courses and are supervised to prepare and submit a dissertation, will be awarded a Master of Science degree in Development Policy and Planning.

Candidates who obtain CWA of 70% or more at the end of the first year may progress as MPhil Development Policy and Planning candidates for the second year. Such candidates would spend the second academic year writing their theses and attending relevant seminars. The MPhil thesis will be an upgrade of their MSc dissertation and should be submitted by the end of the second year.

Applicants who have completed the one (1) year MSc Development Policy and Planning programme can be enrolled for one (1) year top-up leading to the award of an MPhil degree after passing a selection interview. Successful applicants would spend the academic year writing their theses and attending relevant seminars. Candidates will be required to generate a researchable topic in relevant thematic areas and complete the thesis at the end of the year.

The MPhil Programme is a two (2) year programme comprising one (1) year of course work and another year of research work. Students are expected to pass all courses before commencing their research work in the second year.

The MSc. and MPhil Development Policy and Planning programmes are designed for a wide range of professionals working in areas of development policy and planning in sectorial ministries, budgeting offices, Metropolitan, Municipal and District Assemblies as well as the private sector. Applicants must have Bachelor's degree in the Second Class (Lower Division) or above or its equivalent in the following programmes from recognized institutions to apply:

***Planning, Development Studies, Integrated Development Studies, Geography, Environmental Studies Social Studies, Sociology, Land Economy, Agriculture, Renewable Natural Resources, Economics, Civil Engineering, Business and Public Administration, and any other relevant programmes.***



Candidates with post-graduation experience in industry or research may have an added advantage. All candidates must pass a selection interview before gaining admission.

- v. **MSc. Development Studies (Accra and Kumasi Centres - Weekend)**
- vi. **MPhil. Development Studies (Accra and Kumasi Centres - Weekend)**
- vii. **MSc. Planning (Accra and Kumasi Centres - Weekend)**
- viii. **MPhil. Planning (Accra and Kumasi Centres - Weekend)**

All admitted candidates are initially enrolled in the Master of Science option. The MSc. is for twelve (12) calendar months, within which students who pass all required courses and are supervised to prepare and submit a dissertation, will be awarded a Master of Science degree in Development Studies.

Candidates who obtain CWA of 70% or more at the end of the first year may progress as MPhil Development Studies candidates for the second year. Such candidates would spend the second academic year writing their theses and attending relevant seminars. The MPhil thesis will be an upgrade of their MSc dissertation and should be submitted by the end of the second year.

Candidates who have completed the one (1) year MSc. Development Studies programme can be enrolled for one (1) year top-up leading to the award of an MPhil degree after passing a selection interview. Successful applicants would spend the academic year writing their theses and attending relevant seminars. Candidates will be required to generate a researchable topic in relevant thematic areas and complete the thesis at the end of the year.

The MPhil Programme is a two (2) year programme comprising one (1) year of course work and another year of research work. Applicants are expected to pass all courses before commencing their research work in the second year.

The MSc. and MPhil Development Studies programmes are designed for a wide range of professionals working in areas of Development Policy and

Planning in Sectorial Ministries, Budgeting Offices, Metropolitan, Municipal and District Assemblies as well as the private sector. Applicants must have with Bachelor's degree in the Second Class (Lower Division) or above or its equivalent in the following programmes from recognized institutions to apply:

*Planning, Development Studies, Integrated Development Studies, Geography, Environmental Studies Social Studies, Sociology, Land Economy, Agriculture, Renewable Natural Resources, Economics, Civil Engineering, Business and Public Administration, and any other relevant programmes.*

Candidates with post-graduation experience in industry or research may have an added advantage. All candidates must pass a selection interview before gaining admission.

**ix. MSc. Transportation Planning (Accra and Kumasi Centres - Weekend)**

This MSc. Transportation Planning is a 12-calendar month programme which provides participants with advanced knowledge in transportation planning through a multidisciplinary approach. The programme will provide students with knowledge and skills in: analysis of transportation and land use, design and operation of public transportation systems (including system optimization, simulation and modelling), traffic management, transport governance, operations research, road safety, environmental sustainability, logistics and gender issues in transportation.

The programme targets young and mid-career professionals specializing or seeking to specialize in Transportation Planning. Graduates of the Programme will fit in the Transportation Departments of the Metropolitan, Municipal and District Assemblies (MMDAs); Transportation Ministries; Private Transport Operator Organizations; Civil Engineering, Transportation Planning and Urban Planning Firms; and Academic and Research Institutions in Ghana and in Africa.

Candidates for the programme must have Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent, in *Planning, Engineering, Mathematics, Statistics, Physics, Geography, Architecture,*

***Building Technology, Construction Management, Development Studies*** and any field of specialization relevant to the programme from a recognized University.

Candidates with B-Tech with at least 2 years' working experience in the relevant disciplines may be admitted after passing an interview.

Candidates with post-graduation experience in industry or research may have an added advantage. All candidates must pass a selection interview before gaining admission.

**x. PhD. Development Studies**

**xi. PhD. Planning**

Candidates for the **PhD. Development Studies** programme must hold a good *Master of Philosophy* degree in related disciplines or a *relevant Master's* degree from recognized universities. A good master's degree in the following programmes is required for admission into the programme:

***Planning, Development Studies, Integrated Development Studies, Geography, Environmental Studies, Social Studies, Sociology, Local Economic Development, Land Economy, Agriculture, Renewable Natural Resources, Economics, Civil Engineering, and any other relevant programmes.***

Candidates for the **PhD. Planning** programme must hold a good *Master of Philosophy* degree or a *relevant Master's* degree in **Planning** from recognized universities. Those whose degrees are not in Planning should **NOT** apply to the PhD. Planning programme. Such candidates are encouraged to apply for the PhD programme in Development Studies.

Candidates with post-graduation experience in industry and proven research backgrounds in publications in reputable journals have added advantage.

All applicants must pass a competitive interview. ***Applicants are encouraged to discuss their research proposals with a potential supervisor prior to submitting their applications. Applicants must copy the postgraduate director of such correspondence using the email address:***

***planningpgsch@knust.edu.gh***. These research proposals must fall within ***the four (4) research clustered outlined below***.

- **Urbanisation, Sustainable Transport and Future of Urban Spaces**

This research cluster focuses on promoting and advancing the efficient planning and delivery of transport and land use services within urban environments focusing on Ghanaian and other African cities through the use of spatially integrated information and communication technology, emerging planning techniques, and smart cities model. A sustainable future urban space requires investments in human and social capital and transformation in the transport system, and land use (spatial) planning to promote spatially integrated, socio-economic advancement and environmental protection in the Anthropocene. The research focuses on the following areas:

***Urban mobility; Urbanisation; Land use/spatial planning; Transport infrastructure and services; Transport and road safety; Traffic segregation and urban development; Contestations and management of urban environments; Intermediate mode of transport; Transport affordability and access; Intelligent transport system; Public transport system; Ride hailing; among others.***

- **Diversity, Social Complexity and Planned Intervention**

This research cluster focuses on the ways in which social complexity and diversity have been treated by development interventions and institutions and includes critiques of efforts to institutionalise responses to multiple social identities. A number of problems are examined, including: The extent to which methodologies used by development institutions manage tensions between individual rights and needs (relating to the overlapping and at times contradictory identities of individuals), and group inequalities (relating to the existence of systematic inequalities related to particular aspects of identity, and to group affiliations); The ways in which organisational structures and policies focused on particular aspects of social identity (e.g., gender, disability, youth) attempt, or fail, to negotiate the intersectionality of social identity.

It also explores and critiques the policy and planning responses that are being proposed to address social divisions and identity-based violence in

cities, encompassing both efforts to avoid identity-based conflict in cities, and efforts to promote equality, recognition and social integration in post-conflict cities. Together, they look at the relationship between social diversity, development processes, and planned interventions. They explore the ways that social identities have (or have not) been addressed through development institutions, and the associated social and developmental consequences. Areas of research focus include:

*Water and sanitation sustainability; housing demand and supply; resilient cities through smart social service delivery; sustainable economic development; quality of life index and analysis; social and economic infrastructure planning; urban agriculture.*

- **Social and Economic Policy Planning and Resilience**

This cluster serves to document, analyse and test effective practices in urban resilience in terms of social infrastructure and services accessibility, and economic development, paying special attention to urban sustainable infrastructure services and economic measures, which are critical in improving accessibility for, and wellbeing of, urban dwellers, particularly among the urban poor. The cluster will create evidence based on practical knowledge developed through research and stakeholders and communities for a paradigm shift in urban planning, encouraging improved and sustainable infrastructure provision and service delivery, and resilient local economy. The cluster generally focuses on the study of urban policies and new forms of governance, as well as on the development of policy and plan evaluation methodologies. These two general objectives are achieved through various types of projects, with themes covering several concerns: the issue of urban and territorial policy coordination at "micro" (intra-urban) and "meso" (metropolitan and regional) scales; the experiences of partnerships in national urban regeneration policies, the urban deprivation issue and urban regeneration policies; the importance of urban policy evaluation with the purposes of innovation and collective learning; the relevance of the "just city" and of social criteria in policies and plans. Areas of research focus include:

*Water and sanitation sustainability; Housing supply; Resilient cities through the smart social service delivery; Sustainable economic development; Quality of life index and analysis; Infrastructure planning; Health and education systems; Urban agriculture.*

- **Nature, Society, Environmental Change and Resilience**

In recent years, the role of cities in sustainable development has been acknowledged to a higher degree within both academic and development communities. There are however significant blind spots in the understanding of how urbanisation operates in metabolising nature and in the creation and distribution of risks, vulnerabilities and opportunities among urban dwellers. There is a need for a deeper understanding of urban responses to these challenges. This cluster explores the so-called 'urban transitions' faced by the global south, by unearthing emerging relationships and contradictions between resilience and environmental justice in the contemporary geographies of capitalist urbanisation and accumulation. Members of this cluster are engaged in research on the products of human-driven environmental change - phenomena that can only be fully understood through the incorporation of both bio-physical and social analyses.

These cross-disciplinary interactions include studies of environmental governance, citizenship and resource management, environmental history and legacies of contamination, traditional ecological knowledge, and power dynamics expressed through environmental issues. The sustainability of urban ecosystems is another major area of expertise.

Upon admission, all students shall undertake a year's course work which they are expected to pass and obtain a CWA of 55 or above. Having passed all courses and with a CWA of 55 or above, all PhD students are required to take and pass a comprehensive examination administered by the Department. PhD Candidates shall attend weekly Research Seminars and meet certain benchmarks set by the Department.

*All candidates who are currently working or those actively seeking for employment MUST NOT APPLY INTO THE FULL TIME PROGRAMMES.* Such applicants MUST apply to the Part-Time programmes.

#### **4. Department of Land Economy**

##### **i. MSc. Real Estate (One Year - Weekend)**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Real Estate, Land Economy, Architecture, Business Administration, Civil Engineering, Building Technology Construction Management, Estate Management, Quantity Surveying and Construction Economics and Planning from recognised institutions. Candidates with qualifications not stated above must have a minimum of two (2) years of work experience. Preference will be given to candidates with a minimum of two years' relevant industrial or research experience. All candidates must attend a selection interview and pass the interview before admission.

##### **ii. MSc. Land Governance and Policy (One Year)**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Land Economy, Real Estate, Planning, Law, Geomatic/Geodetic Engineering, Geography, Economics, Sociology, Agriculture, Environmental Studies, Natural Resources Management, Construction Technology Management and other related degree from recognised institutions. Preference will be given to candidates with a minimum of two years' relevant industrial or research experience. All candidates must attend a selection interview and pass the interview before admission.

##### **iii. MSc. Facilities Management (One Year)**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Real Estate, Architecture, Building Technology, Business Administration, Civil Engineering, Construction Management, Construction Technology and Management, Estate Management, Information Technology, Interior Design, Landscape Design, Land Economy, Law, Planning, Project Management, Quantity Surveying and Construction Economics, Geography, Economics or other related degree from institutions of recognised standing. Applicants with B.Tech qualifications are encouraged to apply. Preference will be given to candidates with a minimum of two years relevant industrial or research experience. All candidates must attend a selection interview and pass the interview before admission.

#### **iv. PhD. Land Management and Governance**

Candidates must have a Master's degree or its equivalent from a recognised institution in Land Economy, Real Estate, Facilities Management, Planning, Law, Geomatic Engineering, Geography, Economics, Sociology, Agriculture, Environmental Studies, Natural Resources Management, Urban Management, Development Studies or other related degrees. Preference shall be given to candidates with relevant work experience. Candidates must attend and pass a selection interview. Candidates must submit a research proposal that focuses on the thematic areas of Land Management which shall be reviewed.

#### **• FACULTY OF ART**

##### **1. Department of Painting and Sculpture**

###### **i. MFA. Painting**

###### **ii. MFA. Sculpture**

###### **iii. MFA. Painting and Sculpture**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division) or its equivalent from a recognised university in the relevant area of study. Candidates must also present a Portfolio of recent works and pass a selection interview.

###### **iv. MPhil. African Art and Culture**

Candidates must have a BA/BFA/BE degree (minimum of Second Class (Lower Division) in any Arts discipline or its equivalent from a recognised university. Candidates must pass (at least 65%) in research Methodology at the undergraduate level. Candidates must submit a synopsis on an appropriate topic that is relevant to arts and cultures of indigenous African society and pass a selection interview.

**v. MSc. Creative Art Therapy**  
**vi. MPhil. Creative Art Therapy**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in the Visual Arts, Art Education, Education, Architecture, Social Sciences, Biological Sciences, Psychology, Nursing, the Medical Field or any relevant discipline from a recognised university. Preference would be given to candidates with work experience in a clinical, rehabilitative or educational setting (i.e. teaching experience). MPhil candidates must show strong research background and must submit a research proposal of about 5000 words. Candidates must pass a selection interview.

**vii. PhD. Painting**  
**viii. PhD. Sculpture**  
**ix. PhD. Painting and Sculpture**

Candidates must have a master's degree from a recognised university in the relevant area of study. Candidates must also present a proposal of intended research and pass a selection interview.

**x. PhD. African Art and Culture**

Candidates must have MA, MFA or MPhil degree in any Arts discipline from a recognised university. Candidates must show evidence of research scholarship, Thesis, Project Report, Journal or other acceptable publication. Candidates must submit a comprehensive Research Proposal on an appropriate topic in the Arts and pass a selection interview.

**2. Department of Industrial Art**

**i. MFA. Ceramics**

Candidates must have Bachelor's degree or its equivalent in BFA/BA in Ceramics (minimum of Second Class (Upper Division)). Candidates must submit ten images of work (portfolio) and one-page artist statement and pass a selection interview.

**ii. MFA. Jewellery and Metalsmithing**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Metalsmithing and/or Jewelry or its equivalent. Admission into the programme will be based on the assessment of the candidates Portfolio and artist statement.

**iii. MFA. Textiles Design**

Candidates must have a BSc, BA, or BTech degree in Textile/Fashion with a minimum of Second Class (Upper Division) or its equivalent. Admission into the programme will be based on the assessment of the candidate's portfolio. Candidates shall pass a selection interview.

**iv. MPhil. Textile Design Technology**

Candidates must have a BSc, BA, or BTech degree in Textile with a minimum of Second Class (Lower Division) or its equivalent from an accredited institution. Admission into the programme will be based on the assessment of the candidate's portfolio. Candidates shall be required to submit a research proposal and pass a selection interview.

**v. MPhil. Ceramic Technology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) or its equivalent in Ceramics, Materials Science and Engineering or a related Engineering or Science field. Candidates with qualifications in disciplines other than Ceramics, Materials Science and Engineering may be required to audit some undergraduate courses to ensure that they have acquired aptitude in the Ceramic field. Candidates shall be required to submit a research proposal and pass a selection interview.

**vi. MPhil. Fashion Design Technology**

Candidates must have a BSc, BA, or BTech degree in Textile/Fashion with a minimum of Second Class (Lower Division) or its equivalent from an accredited institution. Admission into the programme will be based on the assessment of the candidate's portfolio. Candidates shall be required to submit a research proposal and pass a selection interview.

### **vii. PhD. Ceramic Technology**

Candidates must have a two-year research-based Master's degree or its equivalent in Ceramic Technology or any field of specialization relevant to the programme from a recognised university. Candidates shall be required to pass a selection interview. Candidates with qualifications in disciplines other than Ceramic, Materials Science and Engineering would be required to audit some undergraduate to acquire aptitude for the programme. Candidates shall be required to submit a research proposal and pass a selection interview.

***NB:** International students from countries where English is not the official language will require proof of English proficiency. (TOEFL or British Council, IELTS)*

### **viii. PhD Textile Design Technology**

Candidates must have a two-year research-based Masters' degree in Textile (e.g. MFA/MPhil) or its equivalent from an accredited institution. Admission into the programme will be based on the assessment of the candidate's portfolio. Candidates shall be required to submit a research proposal and pass a selection interview.

### **ix. PhD Fashion Design Technology**

Candidates must have a two-year research-based Masters' degree in Fashion Design (e.g., MFA/MPhil) or its equivalent from an accredited institution. Admission into the programme will be based on the assessment of the candidate's portfolio. Candidates shall be required to submit a research proposal and pass a selection interview.

## **3. Department of Indigenous Art and Technology**

### **i. MPhil. Integrated Art**

#### ***Areas of Specialization:***

- Fibres and Fabrics Technology
- Leather Technology
- Clay and Earthenware Technology

- Woodworking Technology
- Metals Fabrication Technology
- Ratan and Bamboo Technology
- Product Design Technology

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in Integrated Rural Art and Industry or Bachelor's degree in design-based programmes such as Graphic Communication, Painting, Architecture, Computer Science and Engineering programmes or a closely related field. Candidates with Master of Integrated Art and Industry degree will be admitted to the Second Year of the MPhil programme. Candidates with a Second Class (Lower Division) and considerable relevant professional experience may also apply. Admission into the programme will be based on the assessment of the candidate's portfolio and pass a selection interview in the areas of specialization.

### **i. Department of Publishing Studies**

#### **ii. MA. Publishing Studies (One Year)**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) from a recognised institution. Other related qualifications with work experience may be considered. Preference would be given to candidates with a minimum of two years work experience. Candidates shall be required pass a selection interview.

#### **iii. MPhil. Publishing Studies**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Publishing Studies, English Language, Communication Design, Information Studies, Information Science, Library Studies, Communication and Media Studies, Journalism and Media, Graphic Design, Printing Technology, etc. from a recognised institution. Preference would be given to candidates with a minimum of two years work experience. Candidates shall be required pass a selection interview.

#### **iv. MPhil. Publishing Studies (Top-Up)**

Candidates must have MA Publishing Studies degree or MPhil degree from a related discipline with a Bachelor's degree (minimum of Second Class (Lower Division)) in Publishing Studies. Preference would be given to candidates with a minimum of three years work experience from the Publishing, Design, or Multimedia industries. Candidates shall be required pass a selection interview.

### **ii. Department of Communication Design**

#### **i. MComm. Design**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in one of the pathway areas in Communication design or design-related programme. Candidates in addition, must have a minimum of two years professional work experience, and further demonstrate the appropriate intellectual, creative and personal qualities to pursue the programme. Candidates must be able to demonstrate, through the submission and review of a portfolio and through a selection interview, a level of knowledge and competence appropriate to the demands of the programme, and to demonstrate the potential to benefit from that study.

#### **ii. MPhil. Communication Design**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in one of the pathway areas in Communication design or design-related programme. Candidates shall be required to submit a 2-page summary of proposal for which a competent supervisor is readily available. Candidates shall be required to produce a good professional portfolio and pass a selection interview. Candidates shall be selected on the basis of a body of work/proposal that will demonstrate an advanced understanding of the subject/area, sufficient knowledge and technical skill to realise intentions. Candidates shall be required to demonstrate evidence of commitment to the subject; research and intellectual curiosity, critical design-thinking; open-mindedness; the ability to collaborate, to engage in research and debate, and respond communicatively to criticism.

#### **iii. PhD. Visual Communication Design**

Candidates must have a good two-year research-based Master's degree (MFA/MPhil) in Communication Design, Visual Communication, Graphic Design or a related area from an accredited institution. Candidates shall be required to submit a summary of proposal that he/she intends to work on and for which a competent supervisor is readily available. Candidates shall be required to pass a selection interview.

### **• FACULTY OF EDUCATIONAL STUDIES**

#### **1. Department of Educational Innovations in Science and Technology**

##### **i. MA. Art Education (Regular/Weekend/Sandwich)**

Candidates must have a BA, BFA or B.Ed (minimum of Second Class (Lower Division)) degree in any Visual Arts discipline. Candidates must have at least 60% in Research Methodology and Thesis Writing at the undergraduate level. At least one-year teaching or school administration experience would be an advantage.

##### **ii. MPhil. Art Education (Regular/Weekend)**

Candidates must have a BA, BFA or B.Ed (minimum of Second Class (Lower Division)) degree in any Visual Arts discipline. Candidates must have at least 60% in Research Methodology and Thesis Writing at the undergraduate level. Candidates must submit a research proposal on an appropriate topic that is relevant to teaching, learning, and administration of the Arts, Vocational or General Education. Candidates must pass an entrance examination and interview with a minimum of 65%.

##### **iii. MPhil. Art Education (Top-Up)**

Candidates must have a MA, MFA, MComm from a recognised university. Candidates must submit a research proposal on an appropriate topic that is relevant to teaching, learning, and administration of the Arts, Vocational or General Education. Candidates must pass an entrance examination and interview with a minimum of 65%.

#### **iv. Master of Education (M.Ed.) - General Education (Regular/Sandwich)**

Candidates must have a BSc, BA, BFA or B.Ed. (minimum of Second Class (Lower Division)) degree in an appropriate field of study from a recognised university. Candidates must have a minimum of 60% in Research Methodology and Thesis writing at the undergraduate level. Candidates with at least one year classroom teaching or school administration experience would be at an advantage. A candidate who does not satisfy the requirement stated above but is otherwise adjudged suitable by the Department Board, shall, where practicable, be interviewed and in addition may be required to take an entrance examination.

#### **v. MSc. Educational Innovation and Leadership Science (Regular/Sandwich)**

Candidates must have a BA, BFA or B.Ed. (minimum of Second Class (Lower Division)) degree in any discipline. Candidates must have a minimum of 60% in Research Methodology and Thesis writing at the undergraduate level. Candidates must have at least one year classroom teaching or school administration experience.

#### **vi. MPhil. Educational Innovation and Leadership Science (Regular/Weekend)**

Candidates must have an MA in Education, M.Ed., MSc or a B.Ed. (minimum of Second Class (Lower Division)) in any discipline. Candidates must have a minimum of 60% in Research in Methodology and Thesis writing at the postgraduate or undergraduate level. Candidates must submit research proposal on an appropriate topic that is relevant to teaching, learning and administration or General Education and a Statement of Purpose of about 500 to 700 words. Candidates must have at least one-year classroom teaching or school administration experience.

#### **vii. PhD. Art Education (Regular/Weekend)**

Candidates must have an MPhil in Fine Art, Art Education, or any Visual Arts discipline from a recognized university. Candidates must show evidence of a research scholarship: Thesis, Project Report, Journal article or other acceptable publication. Candidates must also submit a comprehensive

research proposal on an appropriate topic in any Visual Arts discipline or Arts Administration. Candidates must pass an entrance examination and interview with a minimum of 70%.

### **2. Department of Teacher Education**

#### **i. MPhil. Educational Planning and Administration (Regular/Weekend – 2 years)**

Candidates must have a Bachelor's degree with a CGPA of 3.0 or CWA of 60 or above in any Education discipline or related field. Candidates with a good Bachelor's degree in a non-education related area but has PGD in Education or Diploma in Education OR Candidates with MEd/MSc/MA in Educational Administration or any related area (without research) from a recognized university with a CGPA of above 2.5 and have taken and passed a course in Research Methods may enrol on the programme. In addition, candidates will be required to attend a selection interview.

#### **ii. MPhil. Educational Planning and Administration Top-Up (Weekend - 1 year)**

Online for the first semester and Weekend face-to-face the for second semester. Candidates with M.Ed./MSc/MA in educational administration or any related area (with/without thesis) from a recognized university with a CGPA of above 2.5 and have taken and passed a course in research methods at the master's level may apply to join in 2nd year for a top-up for the Master of Philosophy degree in Planning and Administration. In addition, candidates will be required to attend a selection interview.



### **iii. EDD. Educational Planning and Administration (Regular)**

Candidates must have Bachelor's degree with a CGPA of 3.0 or CWA of 60 or above in any Education discipline or related field. Candidates must have a professional education certificate (Masters in Higher Education Pedagogy, Postgraduate Diploma in Education, Diploma in Education). Candidate with relevant professional experience in educational administration, management and leadership not less than three (3) years. **In addition, candidates will be required to attend and pass a selection interview.**

### **iv. MPhil. Mathematics Education (Regular/Weekend - 2 years)**

Candidates must have a Bachelor's degree with CGPA of 3.0 or CWA of 60 or better in Mathematics Education or any related discipline. Candidates with a Bachelor's degree with CGPA of 3.0 or CWA of 60 or better in Mathematics or any related discipline and has a MEd in Education, PGD in Education or Diploma in Education may enrol on the programme. Candidates with MEd/MSc/MA in Mathematics Education or any related area (without research) from a recognized university with a CGPA of above 2.5 or CWA of 60 may enrol on the programme. In addition, candidates will be required to attend a selection interview.

### **v. MPhil. Mathematics Education Top-Up (Weekend - 1 year)**

Online for the first semester and Weekend face-to-face the for second semester. Candidates with M.Ed. in Mathematics Education (with/without thesis) from a recognized university with a GPA of above 2.5 and have taken and passed a course in research methods at the master's level may apply to join in 2nd year for a top-up for the Master of Philosophy degree in Mathematics Education.

Candidates with either MSc in Mathematics. MSc in Statistics or any related area (with/without thesis) from a recognized university with a CGPA of above 2.5 and have taken and passed a course in research methods at the master's level and possesses a professional education certificate (e.g., Masters in Higher Education Pedagogy, Postgraduate Diploma in Education, Diploma in Education) may apply to join in 2nd year for a top-up for the Master of Philosophy degree in Mathematics Education. In addition, candidates will be required to attend a selection interview.

### **vi. MPhil. Language Education and Literacy**

Candidates must have Bachelor's degree with CGPA of 3.0 or CWA of 60 or better in any Language Education related discipline from a recognised university. Candidates with Bachelor's degree with CGPA of 3.0 or CWA of 60 or better in any Language related discipline from a recognised university and has a MEd in Education, PGD in education or Diploma in Education may enrol on the programme. Candidates with MEd/MSc/MA in Language Education or any related area (without research) from a recognized university with a CGPA of above 2.5 or CWA of 60 may enrol on the programme. In addition, candidates will be required to attend a selection interview.

### **vii. MPhil. Language Education and Literacy (Top-Up)**

Online for the first semester and Weekend face-to-face the for second semester. Candidates with M.Ed. in Language and Literacy Education (with/without thesis) from a recognized university with a GPA of above 2.5 and have taken and passed a course in research methods at the master's level may apply to join in 2nd year for a top-up for the Master of Philosophy degree in Language and Literacy Education.

Candidates with MA in Akan, English language, French, Spanish, Russian, Swahili, Arabic, Ewe, Ga, Hausa or any related area from a recognized university with a CGPA of above 2.5 (with/ without thesis) and have taken and passed a course in research methods at the master's level and possesses a professional education certificate (eg Masters in Higher Education Pedagogy, Postgraduate Diploma in Education, Diploma in Education) may apply to join in 2nd year for a top-up for the Master of Philosophy degree in Language and Literacy Education. In addition, candidates will be required to attend a selection interview.

### **viii. MPhil. ICT Education (Regular/Weekend – 2 years)**

Candidates must have Bachelor's degree with CGPA of 3.0 or CWA of 60 or better in any ICT in Education related discipline from a recognised university. Candidates with Bachelor's degree with CGPA of 3.0 or CWA of 60 or better in any ICT related discipline from a recognised university and has an MED in Education, PGD in education or Diploma in Education

may enrol on the programme. Candidates with MEd/MSc in any ICT related discipline without research from a recognized university with a CGPA of above 2.5 or CWA of 60 and has a MEd in Education, PGD in education or Diploma in Education may enrol on the programme. In addition, candidates will be required to attend a selection interview.

**ix. MPhil. ICT Education Top-Up (Weekend – 1 year)**

Online for the first semester and Weekend face-to-face the for second semester. Candidates with M.Ed. in ICT Education (with/without thesis) from a recognized university with a CGPA of above 2.5 and have taken and passed a course in research methods at the master's level may apply to join in 2nd year for a top-up for the Master of Philosophy degree in ICT Education.

Candidates with either MSc. (Computer Science), MSc. (Information Technology) or MSc. (ICT) or any related area (with/without thesis from a recognized university with a CGPA of above 2.5 and have taken and passed a course in research methods at the master's level and also possess a professional education certificate (eg Masters in Higher Education Pedagogy, Postgraduate Diploma in Education, Diploma in Education) may apply to join in 2nd year for a top-up for the Master of Philosophy degree in ICT Education. In addition, candidates will be required to attend a selection interview.

**x. MPhil. Science Education (Regular/Weekend – 2 years)**

Candidates with BEd. Science Education, BEd. Biology Education, BEd. Physics Education or BEd. Chemistry Education with CGPA of 3.0 or CWA of 60 or better from a recognised university may enrol on the programme. Candidates with BSc. Physics, Chemistry or Biology with CGPA of 3.0 or CWA of 60 or better from a recognised university and has a MEd in Education, PGD in Education or Diploma in Education may enrol on the programme. In addition, candidates will be required to attend a selection interview.

**xi. MPhil. Science Education Top-Up (Weekend – 1 year)**

Online for the first semester and Weekend face-to-face the for second semester. Candidates with M.Ed. in Science Education (with/without thesis) from a recognized university with a GPA of above 2.5 and have taken and

passed a course in research methods at the master's level may apply to join in 2nd year for a top-up for the Master of Philosophy degree in Science Education.

Candidates with M.Ed. in Science Education (with/without thesis) from a recognized university with a GPA of above 2.5 and have taken and passed a course in research methods at the master's level may apply to join in 2nd year for a top-up for the Master of Philosophy degree in Science Education. In addition, candidates will be required to attend a selection interview.

**xii. PhD. Science Education (Regular)**

**xiii. PhD. ICT Education (Regular)**

**xiv. PhD. Mathematics Education (Regular)**

**xv. PhD. Language and Literacy Education (Regular)**

**xvi. PhD. Educational Planning and Administration (Regular)**

Candidates with MPhil in Educational Planning, Management, Leadership or Administration or any related area from a recognised university and with a CGPA of 3.0 or CWA of 60 or higher. Candidates must have a professional education certificate (Masters in Higher Education Pedagogy, Postgraduate Diploma in Education, Diploma in Education).

**SANDWICH PROGRAMMES (TO BE RUN ONLINE AND FACE-TO-FACE DURING GES VACATION)**

**i. MEd. Higher Education Pedagogy (Online)**

Candidates with a non-education bachelor's degree from an accredited institution with a CGPA of 2.5 or a CWA of 50.0 which is second-class lower or better. Candidate MUST be a lecturer, tutor, or instructor in a tertiary institution. In addition, candidates will be required to attend a selection interview.

**ii. Post Graduate Diploma in Education (Online)**

Candidates with a with a good bachelor's degree with a CGPA of 2.5 or a CWA of 50.0 which is second class lower or better. Candidates should be a teacher or have an intention of being a professional teacher at any level of Ghana's education system.

### **iii. Post Graduate Diploma in Education (KNUST STUDENTS ONLY)**

The programme is designed for KNUST continuing students interested in becoming professional teachers after graduating. Candidates must have gained admission into undergraduate programmes in KNUST and must have completed one (1) year with a CWA of 50 or better.

### **iv. MEd. Educational Planning and Administration (Online)**

Candidates must have a Bachelor's degree with a CGPA of 2.5 or CWA of 55 and above in any education discipline or related field or a good Bachelor's degree in a non-education related area but has a MEd in Education, PGD in Education or Diploma in Education. In addition, candidates will be required to attend a selection interview.

### **v. MEd. Mathematics Education (Online)**

Candidates must have a Bachelor's degree in Mathematics Education or any related discipline or a good Bachelor's degree in Mathematics, Statistics or Actuarial Science or any related discipline and has a MEd in Education, PGD in Education or Diploma in Education. In addition, candidates will be required to attend a selection interview.

### **vi. MEd. ICT Education (Online)**

Candidates must have a Bachelor's degree in any ICT Education related discipline from a recognised university OR Candidates with a good Bachelor's degree in any ICT-related discipline from a recognised university and has an MEd in Education, PGD in Education or Diploma in Education. In addition, candidates will be required to attend a selection interview.

### **vii. MEd. Science Education (Online)**

Candidates must have a BEd. Science Education, BEd. Biology Education, BEd. Physics Education or BEd. Chemistry Education from a recognised university. Candidates with BSc. Physics, Chemistry or Biology with CGPA of 3.0 or CWA of 60 or better from a recognised university and has a MEd in Education, PGD in Education or Diploma in Education may enrol on the programme. In addition, candidates will be required to attend and pass a selection interview.

### **viii. MEd. Language Education and Literacy (Online)**

Candidates must have a Bachelor's degree in any Language Education related discipline from a recognised university. Candidates with a good Bachelor's degree in any Language related discipline from a recognised university and has a MEd in Education, PGD in Education or Diploma in Education may enrol on the programme. In addition, candidates will be required to attend a selection interview.

## **C. COLLEGE OF ENGINEERING**

### **• FACULTY OF CIVIL AND GEO-ENGINEERING**

#### **1. Department of Civil Engineering**

##### **i. MSc. Geotechnical Engineering (Regular, Weekend)**

##### **ii. MPhil. Geotechnical Engineering (Full-Time)**

Candidates must have a Bachelor's degree (minimum of Second Class Upper Division) or its equivalent in Civil Engineering, Geological Engineering, or any field relevant to the programme from a recognized University. Candidates with other qualifications shall be interviewed by an admissions committee and, if necessary, may be required to take a written examination before admission. Candidates shall be interviewed by an admissions committee and those who have relevant experience, and qualification and pass the interview will be admitted.

##### **iii. MSc. Structural Engineering (Regular, Weekend)**

##### **iv. MPhil. Structural Engineering (Full-Time)**

Candidates must have a Bachelor's degree (minimum of Second Class Honours Upper Division) or its equivalent in BSc Civil Engineering from a recognized University. Admission may be offered to applicants with Second Class (Lower Division) degree provided they have considerable relevant professional experience. A candidate who does not satisfy the above requirements but is otherwise adjudged suitable by the Departmental Board

shall, where applicable be interviewed for admission. Candidates shall be interviewed by an admissions committee and those who have relevant experience, and qualification and pass the interview will be admitted.

**v. PhD. Geotechnical Engineering**

Candidates must have in Master's degree in Geotechnical Engineering, Geological Engineering, and other relevant disciplines, with a cumulative weighted average of at least 60, from a recognized University. Candidates with some publications in a journal as first authors have an advantage. Candidates must provide evidence of current and previous employment. Candidates shall be interviewed by an admissions committee and those who have relevant experience, qualification and pass the interview will be admitted.

**vi. PhD. Structural Engineering**

Candidates must have Master's degree in Structural Engineering and other relevant disciplines, with an average of at least 60, from a recognized University. Candidates with some publications in a journal as first authors have an advantage. Candidates must provide evidence of current and previous employment. Candidates shall be interviewed by an admissions committee and those who have relevant experience, qualification and pass the interview will be admitted.

**WORLD BANK AFRICA CENTRE OF EXCELLENCE (ACE)  
REGIONAL WATER AND ENVIRONMENTAL SANITATION  
CENTRE KUMASI (RWESCK)**

- vii. MSc. Disaster Prevention and Management (Regular, Weekend)**
- viii. MSc. Water Engineering (Regular, Weekend)**
- ix. MSc. Water Resources Engineering and Management (Regular, Weekend)**
- x. MPhil. Water Resources Engineering and Management (Full-Time)**

Candidates must have Bachelor's degree (minimum of Second Class Upper Division) or its equivalent in Civil Engineering, Environmental engineering, Agricultural Engineering, Geological Engineering, Geomatic Engineering, Applied Physics, Water Resources Management, Natural Resources

Management or any field relevant to the water resources (for Disaster Prevention and Management – any discipline with experiences relevant to disasters) from a recognized University. Candidates shall be interviewed by an admissions committee and those who have relevant experience, qualification and pass the interview will be admitted.

- xi. MSc. Water Supply Engineering and Management (Regular, Weekend)**
- xii. MSc. Environmental Sanitation and Waste Management (Regular, Weekend)**
- xiii. MSc. Water Supply and Environmental Sanitation (Full-Time)**
- xiv. MPhil. Water Supply and Environmental Sanitation (Full-Time)**

Candidates must have Bachelor's degree (minimum of Second Class Upper Divisions) or its equivalent from a recognized University in Civil Engineering, Chemical Engineering, Environmental Engineering, Geomatic Engineering, Mechanical Engineering, Chemistry, Environmental Science, or any field relevant to the water supply and environmental sanitation from a recognized University. Candidates shall be interviewed by an admissions committee and those who have relevant experience, qualification and pass the interview will be admitted.

**xv. PhD. Environmental Sanitation and Waste Management**

Candidates must have in Master's degree in Water and Sanitation, Civil Engineering, Environmental Engineering, Environmental science/management, Chemical Engineering, chemistry and other relevant physical science disciplines, with a cumulative weighted average of at least 60, from a recognized University. Candidates with some publications in journals as first authors have an advantage. Candidates shall be interviewed by an admissions committee and those who have relevant experience, qualification and pass the interview will be admitted. Candidates must submit a research proposal on the following research themes and prepare for presentation at the selection interview:

- **Digital Solutions:** *Digital innovations in faecal sludge, wastewater and solid waste management using GIS-web-based and IoT integrated systems, artificial intelligence and data analytics, digital solutions in sanitation management,*

- **Waste engineering:** waste processing technology to enhance industrial symbiosis and eco-efficiency in circular economy, Low cost on-site sanitation toilet technologies, Innovative waste treatment and conversion technology such as waste-to-green energy, waste-to-fertilizers with nutrients amendments, and food waste-to-animal feed, thermal treatment and bio-adsorbents for faecal sludge treatment and odour control, remediation of industrial wastewater and remediation of artisanal mining sites,

#### xvi. **PhD. Water Resources Management**

Candidates must have in Master's degree in Water Resources, Environmental Engineering, Agricultural Engineering (Soil and Water Engineering option), Hydrology, Hydrogeology, Natural Resources, Mathematics, and other relevant physical science disciplines, with a cumulative weighted average of at least 60, from a recognized University. Candidates with some publications in journals as first author have an advantage. Candidates shall be interviewed by an admissions committee and those who have relevant experience, qualification and pass the interview will be admitted. Candidates must submit a research proposal on the following research themes and prepare for presentation at selection interview:

- **Digital Solutions:** Computational flow dynamics (CFD), digital real-time systems, artificial intelligence and data analytics, tools and innovative technologies, GIS, remote sensing technology, web-based application for water resources management.
- **Climate resilience systems:** Climate resilience water resources management, Water Management, hydrological modelling, flood management, and urban water cycle management, irrigation water management, soil moisture dynamics modelling,
- **Groundwater hydrogeology:** managed-aquifer recharge, groundwater recharge modelling, optimising soil moisture dynamics, and isotope for water management.

#### xvii. **PhD. Water Supply and Treatment Technology**

Candidates must have a Master's degree in Water and Sanitation Engineering, Environmental Engineering, Civil Engineering (Water

Treatment), Analytical Chemistry, Chemical Engineering, and other relevant physical science disciplines, with a cumulative weighted average of at least 60, from a recognized University. Candidates with some publications in journals as first authors have an advantage. Candidates shall be interviewed by an admissions committee and those who have relevant experience, qualification and pass the interview will be admitted. Candidates must submit a research proposal on the following research themes and prepare for presentation at the selection interview:

- **Digital Water Solutions:** GIS, remote sensing, web-based application for water supply system management, digital real-time systems, Optimising water supply systems management with data analytics and Artificial Intelligence applications and SMART water instrumentation, and the application of tools and technology for water distribution leakage reduction and non-revenue water management,
- **Water treatment:** Removal of water contaminants using innovative nanomaterials, membrane modules and adsorbents (metal-oxide coated media and zeolites) in drinking water treatment, membrane technology and membrane modules development,

### **WORLD BANK AFRICA CENTRE OF EXCELLENCE (ACE) REGIONAL TRANSPORT RESEARCH AND EDUCATION CENTRE KUMASI (TRECK)**

#### xviii. **MSc. Transport Systems (Infrastructure and Engineering)**

#### xix. **MPhil. Transport Systems (Infrastructure and Engineering)**

Candidates must have Bachelor's degree (minimum of Second Class Upper Divisions) or its equivalent from a recognized University in Civil Engineering, Geological Engineering, Geomatic Engineering and any other engineering discipline related to transport, with good mathematical skills. Candidates whose qualifications do not directly align with the above requirements will have their academic transcripts assessed and, if found acceptable, will be invited to an interview. Candidates shall be interviewed by an admissions committee and those who have relevant experience, qualification and pass the interview will be admitted.

#### xx. **MSc. Transport Systems (Urban Transport and Operations)**

#### xxi. **MPhil. Transport Systems (Urban Transport and Operations)**

Candidates must have Bachelor's degree (minimum of Second Class Upper Divisions) or its equivalent from a recognized University in Mathematics, Statistics, Physics, Planning, Architecture, Building Technology, Construction Management, Development Studies, Geography or any engineering discipline related to transport. Candidates whose qualifications do not directly align with the above requirements will have their academic transcripts assessed and, if found acceptable, will be invited to an interview. Candidates shall be interviewed by an admissions committee and those who have relevant experience in the transport sector, qualification and pass the interview will be admitted.

**xxii. Ph.D. Transport Systems (Infrastructure and Engineering)**

Candidates must have in Master's degree in Transport Systems (Infrastructure and Engineering), Road and Transport Engineering, Highway Engineering, or any other related disciplines, with a minimum cumulative weighted average of 60, from a recognized university. Candidates whose qualifications do not directly align with the above requirements will have their academic transcripts assessed and, if found acceptable, will be invited to an interview. Candidates shall be interviewed by an admissions committee and those who have relevant experience in the transport sector, qualification and pass the interview will be admitted. Candidates with publications in journals as the first author and relevant work experience have an advantage. Candidates must submit a research proposal on any of the following priority interdisciplinary research themes and prepare for a presentation at the selection interview:

- ***Traffic Management and Smart Cities:*** Road Safety Management, Modelling and Simulation of Intersections and Congested Urban Networks, Urban Transport and Public Health, Traffic Accessibility, Equity and Justice, Parking Management in Smart Cities, Artificial Intelligence and Smart Mobility, Driverless Systems, Tolling Systems, and Transport Economics.
- ***Resilient and Inclusive Transport Infrastructure:*** Smart Infrastructure, Innovative Materials in Pavement Engineering, Road Asset Management Systems, and IoT Applications in Transport Asset Management.

**xxiii. Ph.D. Transport Systems (Urban Transport and Operations)**

Candidates must have in Master's degree in Transport Planning, Applied Mathematics (Transport or Operations Research specialization), Transport Economics, or any other related disciplines from a recognized university, with a minimum cumulative weighted average of 60. Candidates whose qualifications do not directly align with the above requirements will have their academic transcripts assessed and, if found acceptable, will be invited to an interview. Candidates shall be interviewed by an admissions committee and those who have relevant experience in the transport sector, qualification and pass the interview will be admitted. Candidates with publications in journals as the first author and relevant work experience have advantage. Candidates must submit a research proposal on any of the following priority interdisciplinary research themes and prepare for a presentation at the selection interview:

- ***Public Transport Planning, Policy, Gender, and Governance:*** Travel Demand Forecasting, Paratransit in African Cities, Sustainable Urban Mobility Planning, Gender Perspectives to Travel and Policy, Inclusive Public Transport in Smart Cities.
- ***Integrated Transport Logistics and Green Supply Chains:*** Sustainable Logistics Management, Intramodality and Freight Transport Operations, Freight Transport Modeling, Technology and Big Data on Freight Transport and Logistics, Urban Goods Movement, Transportation System, and Freight Transportation Externalities.

**2. Department of Geomatic Engineering**

**i. MSc. Geomatic Engineering**

**ii. MPhil. Geomatic Engineering**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) or its equivalent from a recognised University in the relevant field of study. Candidates shall be required to pass a selection interview to determine their suitability and preparedness or otherwise for the programme.

### **iii. MPhil. Geographic Information System**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) or its equivalent from a recognised university in Engineering, Surveying, Architecture, Building Technology, Planning, Land Economy, Real Estate, Agriculture, Landscape Design & Management, Natural Resource Management, Forest Resource Technology, Computer Science, Environmental Science, Meteorology and Climate Science, or Geography and Rural Development. Candidates with Pass in any of the areas listed above must have in addition, a minimum of two (2) years post-graduate industrial work experience. Candidates shall be required to pass a selection interview to determine their suitability and preparedness or otherwise for the programme.

### **iv. PhD. Geomatic Engineering**

Candidates must have a Master's degree in Geomatic Engineering or its equivalent from a recognised Institution and shall submit evidence of adequate training and ability to undertake the proposed programme. Candidates shall be required to pass a selection interview to determine their suitability and preparedness or otherwise for the programme.

## **3. Department of Petroleum Engineering**

### **i. MSc. Petroleum Engineering**

### **ii. MPhil. Petroleum Engineering**

### **iii. MSc. Petroleum Geoscience**

### **iv. MPhil. Petroleum Geoscience**

*Areas of Specialisation include:*

- *Production Engineering*
- *Reservoir Appraisal and Management*
- *Well Engineering*
- *Health Safety and Environment*
- *Natural Gas Engineering*
- *Geological Studies*
- *Geophysical Studies*

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in Engineering, Geology, Chemistry, Mathematics, Physics and, or its equivalent or any field of specialization relevant in the oil and gas sector. Candidates with qualifications other than specified above but with relevant oil and gas industry experience will be interviewed and required to pass a written examination.

### **v. PhD. Petroleum Engineering**

Candidates must have a Master's degree or its equivalent in Petroleum Engineering, Petroleum Geoscience, Physics, Chemistry and Mathematics from a recognised institution. Candidates will be to pass an interview.

*NB: International students from countries where English is not the official language will require proof of English proficiency. (Minimum of one-year).*

## **4. Department of Geological Engineering**

### **vi. MSc. Geophysical Engineering**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent in Geological Engineering, Civil Engineering, Mining Engineering, Petroleum Engineering, Geophysics, Physics, Geology, Earth Science, Agricultural Engineering or any field of specialisation relevant to the programme from a recognised University. Candidates with a Second Class (Lower Division) must have at least three (3) years of relevant experience. Candidates with degrees in other engineering/science disciplines (e.g. Agricultural Science, Mathematics, Electrical Engineering, etc.) may be required to take prerequisite courses to make up for deficiencies in undergraduate geological sciences. In addition, candidates will be required to attend a selection interview.

### **vii. MPhil. Geological Engineering**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent in Geological Engineering, Geology or any earth science related field from a recognised University. Candidates

with Second Class (Lower Division) in Geological Engineering, Geology or any earth science related field from a recognised University must have at least three (3) years of relevant experience. In addition, candidates will be required to attend a selection interview.

**viii. PhD. Geological Engineering**

Candidates must have a Master's degree or its equivalent in Geology, Geological Engineering or any earth science related field from a recognised institution, and must provide evidence of adequate training and ability to undertake a proposed research. In addition, candidates will be required to attend a selection interview.

• **FACULTY OF ELECTRICAL & COMPUTER ENGINEERING**

**1. Department of Electrical and Electronic Engineering**

**i. MPhil. Power Systems Engineering**

Candidates must have Bachelor's degree (BSc/BEng) (minimum of Second Class (Lower Division)) in Electrical and Electronic Engineering Disciplines from a recognised University. In addition, candidates will be required to attend a selection interview.

**ii. PhD. Electrical Engineering**

Candidates must have a MSc/MEng/MPhil degree in Power Systems Engineering or Electrical and Electronic Engineering from a recognised University. In addition, candidates will be required to attend a selection interview.

**2. Department of Computer Engineering**

**i. MPhil. Computer Engineering**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent in Computer Engineering, Electrical and Electronic Engineering, Telecommunication Engineering or any field of specialisation relevant to the programme from a recognised University. Candidates who do not meet the above requirement may be admitted subject

to passing a selection interview. Such candidates may be required to take some recommended courses to make up for deficiencies which may be identified as a result of their background.

**ii. PhD. Computer Engineering**

Candidates must have a Master's degree (MSc/MPhil) or its equivalent in Computer Engineering, Electrical or Electronic Engineering, Telecommunication Engineering or any field of specialisation relevant to the programme from a recognised University. Candidates who do not meet this requirement may be admitted subject to passing a selection interview. Such candidates may be required to take some recommended courses to make up for deficiencies which may be identified as a result of their background.

*International students from countries where English is not the official language must have proof of English proficiency from an internationally approved English examination (IELTS, TOEFL etc.). or be available to attend a three (3) months English Language course.*

**3. Department of Telecommunication Engineering**

**i. MPhil. Telecommunication Engineering**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in Telecommunication Engineering, Electrical/Electronic Engineering, Computer Engineering, Sciences or Mathematics disciplines from a recognised University. Candidates who have Second Class (Lower Division) from KNUST and those who did not obtain their degrees from KNUST would be required to pass a selection interview. Candidates from Science or Mathematics disciplines would be required to take sufficient Engineering background courses from the undergraduate level.

**ii. PhD. Telecommunication Engineering**

Candidates must have an MSc/MPhil degree in Telecommunication Engineering, Electrical Engineering, and Computer Engineering from a recognised University. Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)).



- **FACULTY OF MECHANICAL & CHEMICAL ENGINEERING**

- 1. Department of Chemical Engineering**

- i. MPhil. Chemical Engineering**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Chemical Engineering or other engineering/science disciplines. Consideration would also be given to candidates with Second Class (Lower Division) with at least three years of relevant work experience. All candidates shall be required to submit a synopsis of their research proposal, clearly stating the member(s) of staff willing to supervise the research. All candidates will be required to pass a selection interview and demonstrate the ability to fund or prove their source funds for their research.

- ii. PhD. Chemical Engineering**

Candidates must have a Master's degree (MSc/MPhil) in a relevant field from a recognized university. The Bachelor's degree of the applicant should not be lower than a Second Class (Upper Division) or its equivalent in Chemical Engineering or related fields. All candidates will be required to pass a selection interview and demonstrate the ability to fund or prove their source funds for their research. All candidates shall be required to submit a synopsis of their research proposal.

- 2. Department of Agricultural and Biosystems Engineering**

- i. MPhil. Agricultural Machinery Engineering**

- ii. MPhil. Agro-Environmental Engineering**

- iii. MPhil. Bioengineering**

- iv. MPhil. Food and Post-Harvest Engineering**

- v. MPhil. Soil and Water Engineering**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Agricultural Engineering or other related Engineering

disciplines. Candidates with a Bachelor's degree (minimum of Second Class (Lower Division)) in Agricultural Science, Food Science Technology, Postharvest must have a minimum of two years relevant post qualification work experience. Candidates must pass a selection interview.

- vi. MPhil. Intellectual Property (MIP)**

*This programme is jointly offered by the African Regional Intellectual Property Organisation (ARIPO), Kwame Nkrumah University of Science and Technology (KNUST), Kumasi and the Intellectual Property Office of Ghana. The Programme adopts a comparative approach, with particular emphasis on Africa. Lectures are given by leading academics, intellectual property practitioners, intellectual property officers, the European Union Intellectual Property Office (EUIPO) and other experts drawn from across Africa.*

*With a view to contributing to the development of human resources in the field of Intellectual Property in Africa, ARIPO will provide 5 scholarships for successful applicants. The scholarship shall cover the cost of a return air ticket, boarding and lodging at KNUST, tuition fees, registration fees and medical insurance.*

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) from a recognised university in any discipline and a minimum of two (2) years work experience. International students from countries where English is not the official language will require proof of English proficiency from an internationally approved English examination (IELTS, TOEFL etc.).

- vii. PhD Agricultural Machinery Engineering**

- viii. PhD Agro-Environmental Engineering**

- ix. PhD Bioengineering**

- x. PhD Food and Post-Harvest Engineering**

- xi. PhD Soil and Water Engineering**

Candidates must have an MSc/MPhil degree in the relevant specialisation from a recognised university. Candidates may gain direct entry or undergo a selection interview prior to admission into the programme. Candidates

must provide an outline of research proposal (synopsis) and statement of purpose.

### **3. Department of Mechanical Engineering**

- i. MPhil. Mechanical Eng. (Thermo-Fluids and Energy Systems)**
- ii. MPhil. Mechanical Eng. (Applied Mechanics)**
- iii. MPhil. Mechanical Eng. (Design and Manufacturing)**
- iv. MPhil. Renewable Energy Technologies**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Mechanical Engineering or related disciplines from a recognised University. Candidates with a Second Class (Lower Division) must have at least two (2) years industrial experience and must pass a selection interview.

- v. MPhil. Mechanical Eng. (Thermo-Fluids and Energy Systems) Top-Up**
- vi. MPhil. Mechanical Eng. (Applied Mechanics) Top-Up**
- vii. MPhil. Mechanical Eng. (Design and Manufacturing) Top-Up**

Candidates must have a one-year taught masters or two-year taught masters' degree in Mechanical Engineering or related Engineering disciplines from a recognised university.

- viii. PhD. Mechanical Engineering**
- ix. PhD. Sustainable Energy Technologies**

Candidates must have a good Masters (research based) degree in Mechanical Engineering or related discipline from a recognised University. Candidates are required to submit good research proposal with a maximum of one thousand words and pass a selection interview.

### **4. Department of Materials Engineering**

#### **i. MPhil. Environmental Resources Management**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent in Mineral Processing, Material Science and Engineering, Architecture, Agriculture, Renewable Natural Resources, and Science. Candidates with Second Class (Lower Division) would be interviewed before admission. Candidates must also have some industrial experience. Candidates with other degrees but with a minimum of five (5) years of related work experience would be interviewed before admission.

#### **ii. MPhil. Materials Engineering**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) or equivalent in Engineering and Sciences or any field of specialisation relevant to the programme from a recognised university. Candidates with Second Class (Lower Division) must have at least three (3) years of relevant experience. Candidates in Engineering/Sciences disciplines such as Chemistry, Physics, Mathematics, Electrical Engineering, etc. may be required to take prerequisite courses to make up for deficiencies in undergraduate Materials Engineering.

*For Non-English-speaking applicants, arrangements may be made with the Department of Languages for necessary English language skills prior to embarking on the programme.*

#### **iii. PhD. Materials Engineering**

Candidates must have an MSc/MPhil degree or its equivalent in Materials Engineering, Civil Engineering, Mining Engineering, Petroleum Engineering, Metallurgical Engineering, Chemical Engineering, or any field of specialisation relevant to the programme from a recognised university.

*For Non-English-speaking applicants, arrangements may be made with the Department of Languages for necessary English language skills prior to embarking on the programme.*

## **D. COLLEGE OF HEALTH SCIENCES**

### **• FACULTY OF PHARMACY AND PHARMACEUTICAL SCIENCES**

#### **1. Department of Pharmaceutics**

##### **i. MSc. Pharmaceutical Technology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division) or equivalent degree in Pharmacy (BPharm/PharmD), Chemistry, Biochemistry, Herbal Medicine, Chemical Engineering and other related disciplines from a recognised institution. Short-listed candidates must pass a selection interview.

##### **ii. MPhil. Pharmaceutics**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division) or equivalent degree in Pharmacy (BPharm/PharmD), Chemistry, Biochemistry, Herbal Medicine, Chemical Engineering or other related disciplines from a recognised institution. Short-listed candidates must pass a selection interview.

##### **iii. MPhil. Pharmaceutical Microbiology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division) or equivalent degree in Pharmacy (BPharm/PharmD), Herbal Medicine, Biology, Biological Sciences, Biochemistry, Biomedical Sciences, Medical Laboratory Technology, and other related disciplines from a recognised institution. Short-listed candidates must pass a selection interview.

##### **iv. PhD. Pharmaceutics**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division) or equivalent degree in Pharmacy (BPharm/PharmD), Chemistry, Biochemistry, Herbal Medicine, Chemical Engineering and other related disciplines from a recognised institution. Candidates must have a good Master's degree (MSc/MPhil or its equivalent) in Pharmaceutical Sciences, Drug delivery, Drug Design and Formulation and other related disciplines

from a recognised institution. Short-listed candidates must pass a selection interview.

##### **v. PhD. Pharmaceutical Microbiology**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division) or equivalent degree in Pharmacy (BPharm/PharmD), Herbal Medicine, Biology, Biological Sciences, Biochemistry, Biomedical Sciences, Medical Laboratory Technology, and other related disciplines from a recognised institution. Candidates must have a good Master's degree (MPhil) in Pharmaceutical Microbiology, Microbiology, Biotechnology and other related disciplines from a recognised institution. Short-listed candidates must pass a selection interview.

#### **2. Department of Pharmacognosy**

##### **i. MPhil. Pharmacognosy**

Candidates must have a pass in Doctor of Pharmacy degree or Bachelor of Pharmacy degree (minimum of Second Class (Lower Division)) or its equivalent in Biology, Chemistry, Biochemistry, Agriculture or a related field in the Biomedical Sciences. Candidates must pass a selection interview.

##### **ii. PhD. Pharmacognosy**

Candidates must have a Master's degree in any of the Pharmaceutical Sciences; e.g. Pharmacognosy, Pharmacology, Pharmaceutical Chemistry, Pharmaceutics, Herbal Medicine, Chemistry or a related field in the Biomedical Sciences from an accredited institution. Candidates must pass a selection interview.

### **3. Department of Pharmaceutical Chemistry**

- i. **MPhil. Pharmaceutical Chemistry:** *With emphasis on Pharmaceutical Analysis and Quality Control, Medicinal Chemistry, Natural Product Chemistry and Drug discovery, Pharmacokinetics and Drug metabolism, and Kinetics and Stability of Drug products.*

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent in Pharmacy, Biochemistry, Chemistry and related fields. Candidates must pass a selection interview.

- ii. **PhD. Pharmaceutical Chemistry:** *With emphasis on Pharmaceutical Analysis and Quality Control, Medicinal Chemistry, Natural Product Chemistry and Drug discovery, Pharmacokinetics and Drug metabolism, and Kinetics and Stability of Drug products.*

Candidates must have a minimum of MSc/MPhil degree in pharmaceutical chemistry and/or related disciplines such as Pharmaceutical Analysis and Quality Control; Medicinal Chemistry, Biochemistry, Phytochemistry, Chemistry, etc. with a minimum cumulative weighted average (CWA) of 70.00 or its equivalent in taught courses. Candidates must pass a selection interview.

### **4. Department of Pharmacy Practice**

- i. **MSc. Clinical Pharmacy (Part-Time)**

Candidates must have Bachelor of Pharmacy or Doctor of Pharmacy degree from a recognised Institution. In addition, candidates will be required to attend and pass a selection interview.

- ii. **MPhil. Clinical Pharmacy (Full-Time)**

Candidates must have Bachelor of Pharmacy or Doctor of Pharmacy degree (with CWA of 60 or above) from a recognised Institution. In addition, candidates will be required to attend and pass a selection interview.

### **iii. PhD. Clinical Pharmacy**

Candidates must have an MSc/MPhil degree in Clinical Pharmacy from a recognised Institution. In addition, candidates will be required to attend and pass a selection interview.

### **iv. PhD. Social Pharmacy**

Candidates must have an MSc/MPhil degree in Pharmacy, Public Health, Psychology, or related disciplines from a recognised Institution. In addition, candidates will be required to attend and pass a selection interview.

### **5. Department of Pharmacology**

- i. **MPhil Pharmacology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Pharmacy, Medicine, Biochemistry, Biology or a related field in the Biomedical Sciences. All candidates must present letters of recommendation from three referees. All candidates will have to attend and pass a selection interview.

- ii. **MPhil Clinical Pharmacology**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in the Health Sciences including Pharmacy, Medicine and other relevant healthcare-related fields. All candidates must present letters of recommendation from three referees. All candidates will have to attend and pass a selection interview.

- iii. **PhD Pharmacology**

Candidates must have a master's degree in Pharmacology or a related field in the Biomedical Sciences from an accredited institution. A candidate with good first degree (minimum second-class Upper division) in Pharmacy, Pharmacology, Toxicology, Medicine, Biochemistry, or related Biomedical Sciences degrees must first apply as an MPhil and after satisfying the conditions necessary for transfer into the PhD at the end of the second year by the School of Graduate Studies. Candidates must present letters of recommendation from three referees and provide evidence of source of

funding as part of the application. All candidates will have to attend and pass a selection interview.

#### **iv. PhD Clinical Pharmacology**

Candidates must have a master's degree in clinical pharmacology or a related field from an accredited institution. Candidates must present letters of recommendation from three referees and provide evidence of the source of funding as part of the application. All candidates will have to attend and pass a selection interview.

### **• FACULTY OF ALLIED HEALTH SCIENCES**

#### **1. Department of Nursing**

##### **i. MSc. Clinical Nursing**

##### **ii. MPhil. Nursing**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Nursing or similar qualifications from a recognised university. Candidates must be registered with the Nursing and Midwifery Council of Ghana or its equivalent from other countries. Candidates must have a minimum of two years of work experience after the Bachelor's degree programme in a relevant area i.e. health facility, public health unit or a health training institution. Holders of Second Class (Lower Division) degrees must have a minimum of three years post qualification work experience in a relevant area.

#### **2. Department of Physiotherapy and Sports Science**

##### **i. MPhil. Clinical Rehabilitation and Exercise Therapy**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent in Sport and exercise Science, Human Biology, Biochemistry, Physiology, Physiotherapy, Occupation Therapy, Human Nutrition, Allied Health Sciences. Candidates with Second Class (Lower Division) must have at least two years post qualification experience with relevant profession and would be required to pass a selection interview. Candidates who have Masters degree in Natural Sciences with work experience related to Physical Therapy, Sports Medicine and Exercise Science may be considered. Evidence of at least one publication in a peer review journal would be a major added advantage.

#### **3. Department of Medical Diagnostics**

##### **i. MPhil. Haematology**

Candidates must have a BSc degree (minimum of Second Class (Lower Division)) or its equivalent in Medical Laboratory Science with relevant professional registration and a minimum of two years' experience in clinical practice. In addition, candidates will be required to attend a selection interview.

##### **ii. MPhil. Medical Imaging**

Candidates must have a BSc degree (minimum of Second Class (Lower Division)) or its equivalent in Medical Imaging field Science with relevant professional registration and a minimum of two years' experience in clinical practice. In addition, candidates will be required to attend a selection interview.

##### **iii. PhD. Haematology**

Candidates must have an MSc/MPhil or its equivalent in Haematology or biomedical sciences. Candidates must attend and pass a selection interview.

#### **iv. PhD. Medical Imaging**

Candidates should have an MSc/MPhil or its equivalent in Medical Imaging field. Candidates must attend and pass a selection interview.

### **• SCHOOL OF MEDICINE AND DENTISTRY**

#### **1. Department of Molecular Medicine**

##### **i. MPhil. Chemical Pathology**

##### **ii. MPhil. Molecular Medicine**

##### **iii. MPhil. Immunology**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Biochemistry, Biotechnology, Molecular Biology, Medical Laboratory Technology and MBChB. Preference would be given to candidates with at least one year work experience. Candidates must pass a selection interview.

##### **iv. PhD. Chemical Pathology**

##### **v. PhD. Molecular Medicine**

##### **vi. PhD. Immunology**

Candidates must have an MSc/MPhil degree in Biochemistry, Biotechnology, Molecular Biology, Medical Laboratory Technology. Candidates with MBChB and Membership with the Ghana College of Physicians and Surgeons or similar institution would be required to undertake a one-year MPhil equivalent after which they may be migrated onto the PhD programme. Preference would be given to candidates with at least three (3) years of work experience. Candidate must attend and pass a selection interview.

#### **2. Department of Clinical Microbiology**

##### **i. MPhil. Clinical Microbiology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) or its equivalent in Life Sciences, Medicine/Dentistry, Medical Laboratory Technology, Biomedical Sciences, Biology or Biochemistry. Preference would be given to candidates with work experience. Candidates must submit a research proposal. In addition, candidates will be required to attend and pass a selection interview.

##### **ii. PhD. Clinical Microbiology**

Candidates must have a Master's degree or its equivalent in Clinical Microbiology from a recognised institution of higher learning. Candidates are entreated to contact a potential supervisor at the Department before proceeding to apply. In addition, candidates will be required to attend and pass a selection interview.

#### **3. Department of Anatomy**

##### **i. MPhil. Human Anatomy and Cell Biology**

##### **ii. MPhil. Human Anatomy and Cell Biology (Morphological Diagnostics)**

##### **iii. MPhil. Human Anatomy and Forensic Science**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Biological Sciences, Anatomy and Cell Biology, Biomedical Science, Medical Laboratory Technology, MBChB or its equivalent from a recognised Institution. Candidates must have a flare for laboratory work or research. Candidates are required to submit a research synopsis together with the application. Candidates must show proof of their source of funding and pass a selection interview and entrance examination.

##### **iv. MPhil. Mortuary Science and Management**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) in Biological Sciences, Biomedical Science, Anatomy and Cell Biology, Medical Laboratory Technology, Physician Assistantship,

Forensic and Investigation Sciences, MBChB/BDS or its equivalent from a recognised Institution. Candidates are required to submit a research synopsis together with the application. Candidates should have a flare for laboratory work or research. Candidates must show proof of their source of funding and pass a selection interview and entrance examination.

**v. PhD. Human Anatomy and Cell Biology**

**vi. PhD. Human Anatomy and Forensic Science**

Candidates must have a good MSc/MPhil/MMedSc degree in Human Anatomy and Cell Biology, Human Anatomy and Forensic Science, Medical Laboratory Technology from a recognised University. Candidates with MPhil in Biological Sciences/Biomedical Science and MBChb with Membership from the Ghana College of Physicians and Surgeons or related recognised institutions will be required to undertake a one-year bridging programme before being migrated into the PhD programme. Candidates are required to submit a research synopsis together with the application. Candidates must have a flare for laboratory work or research. Candidates must show proof of their source of funding and pass a selection interview.

**4. Department of Physiology**

**i. MPhil. Physiology**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Biological Sciences, Biomedical Science, Anatomy and Cell Biology, Medical Laboratory Technology, Nursing, Herbal Medicine, Biochemistry, Allied Health Sciences or a degree in of the Life Sciences or MBChB from a recognised University. Candidates should have a flare for laboratory work or research. Candidates must show proof of their source of funding and pass a selection interview.

**5. Department of Eye, Ear, Nose and Throat**

**i. MSc. Audiology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Psychology, Special Education, Nursing, Medicine, Neurology or Applied Sciences. Candidates with other degrees or equivalent

may be considered on their own merits. Candidates must show proof of their source of funding and pass a selection interview.

**ii. MSc. Speech and Language Therapy**

Candidates must have a Bachelor's degree (minimum second-class division) from a recognized university in Psychology, Special Education, Nursing, Medicine, Neurology, or any relevant area.

**• SCHOOL OF VETERINARY MEDICINE**

**i. MPhil. One Health**

Candidates must have a Doctor of Veterinary Medicine (DVM) or its equivalent, MBChB, BSc Dental Surgery, PharmD, or Bachelor's degree (minimum of Second Class (Upper Division)) in Biological Sciences, Biomedical Sciences, Agriculture (Animal Science option) and relevant subject areas; from an approved University or Institution of Higher Learning. Preference would be given to candidates with several years of relevant academic, administrative, or field experience. Candidates must pass a selection interview.

**ii. MPhil. Integrative Pathobiology**

Candidates must have Doctor of Veterinary Medicine, MBChB, BSc Dental Surgery, Doctor of Pharmacy or its equivalent, BSc. (Microbiology, Biological Sciences and Human Biology) with minimum of Second Class (Lower Division). Candidates must pass a selection interview.

**iii. MPhil. Comparative Anatomy**

Candidates must have Doctor of Veterinary Medicine (DVM), MBChB, BSc Dental Surgery, Doctor of Pharmacy, or Bachelor's degree (minimum of Second Class (Upper Division)) in Biological Sciences, Biomedical Sciences, Agriculture (Animal Science option) and relevant subject areas; from an approved University or Institution of Higher Learning. Preference would be given to candidates with several years of relevant academic, administrative, or field experience. Candidates must pass a selection interview.

#### **iv. Master of Veterinary Science in Anatomy**

Candidate must have a Doctor of Veterinary Medicine (DVM), Bachelor of Veterinary Medicine (BVM, BVetMed, VetMB), Bachelor of Veterinary Medicine and Surgery (BVM&S, BVMS, BVetMS) degree or equivalent professional degree from an approved Veterinary Institution of Higher Learning. Candidates must pass a selection interview.

#### **v. PhD. Integrative Pathobiology**

Candidates must have an MPhil. Integrative Pathobiology or MPhil/MSc degree in Veterinary Sciences, Biological or Biomedical Sciences in addition to any of following: Doctor of Veterinary Medicine, BSc. (Microbiology, Biological Sciences and Human Biology) with minimum of Second Class (Lower Division), MBChB, BSc Dental Surgery, Doctor of Pharmacy, Bachelor of Pharmacy. Candidates must pass a selection interview.

#### **vi. PhD. One Health**

Candidates must have an MPhil. One Health degree from KNUST. MPhil degree in One Health or equivalent degrees from other recognised universities may be considered on their own merit. In addition, candidates will be required to attend and pass a selection interview.

#### **vii. PhD. Veterinary Anatomy**

Candidates must have an MPhil. Comparative Anatomy and MSc Anatomy from KNUST. MPhil. degree in Veterinary Anatomy or equivalent degree from other recognised may be considered on their own merit.

### **• SCHOOL OF PUBLIC HEALTH**

#### **1. PhD. Public Health**

Candidates must have a Master's degree or its equivalent from a recognised institution and shall provide evidence of adequate training and financial support to undertake the proposed programme. A demonstrable scientific publication or good writing skills will be an advantage.

### **1. Department of Health Education, Promotion and Disability Studies**

#### **i. MPH/MSc. Health Education and Promotion (Regular/Weekend)**

Candidates must have a first degree (minimum of Second Class (Lower Division)) in any of the Natural Sciences such as Medicine, Allied Health Sciences, Public Health, Environmental Sciences, Biological Sciences, Pharmacy, or Health-related disciplines such as the Social Sciences, Development Studies, and Education. Candidates should have a minimum of two (2) years of work experience. Candidates must pass a written examination and a selection interview.

#### **ii. MPhil. Disability, Rehabilitation and Development (Full Time/Weekend)**

Practicing professionals/graduates with a first degree (minimum of Second Class (Lower Division)) in Disability and Allied disciplines, Health related Sciences, Education and Education Psychology, Social Services or Social Work, Physiotherapy, Development Studies, Sports and Exercise Science, Architecture, Policy /Settlement Planning, or Social Sciences. Candidates must pass a written examination and a selection interview.

### **2. Department of Population, Family and Reproductive Health**

#### **i. MSc. Population and Reproductive Health (One Year - Full Time/Weekend)**

#### **ii. MPH. Population and Reproductive Health (One Year - Full Time/Weekend)**

Candidates must have a first degree (minimum of Second Class (Lower Division)) in any of the life sciences such as: Medicine, Veterinary Medicine, Nursing/Midwifery, Public Health, Environmental Health, Pharmacy, Physician Assistantship, Medical Laboratory Science or Health related sectors such as the Social Sciences, Development and Education from a recognised university/college. Candidates should have at least two years post-graduation work/job experience. In addition, candidates will be required to attend and pass a selection interview.



### **3. Department of Occupational and Environmental Health and Safety**

- i. MSc. Occupational and Environmental Health & Safety (One Year - Full Time/ Weekend)**
- ii. MPH. Occupational and Environmental Health & Safety (One Year - Full Time/ Weekend)**

Candidates must have a first degree (minimum of Second Class (Lower Division)) from a recognised tertiary institution preferably in any of the Natural Sciences such as Medicine, Veterinary Medicine, Nursing, Public Health, Environmental Sciences, Biology, Pharmacy, or health-related disciplines such as the Social Sciences, Development Studies, and Education, etc. Candidates must pass a selection interview.

### **4. Department of Health Policy, Management and Economics**

- i. MSc. Health Services Planning and Management (One Year – Regular/Weekend)**
- ii. MPH. Health Services Planning and Management (One Year – Regular/Weekend)**
- iii. MSc. Health Systems Research and Management (Regular)**
- iv. MPH. Health Systems Research and Management (Weekend)**
- v. MPhil. Health Systems Research and Management (Regular/Weekend)**

All candidates should have a first degree (minimum of Second Class (Lower Division)), preferably in any Public Health related field, Statistics/Biostatistics; Biology; Medicine or other health related sciences; Political Science or Economics; Sociology or related Social Sciences, Development and Education to be eligible for any of the programmes mentioned above. In addition, candidates should have at least two years post-graduation work/job experience. Relevant international work experience is an advantage and applications. Candidates must pass a written examination and a selection interview.

*International students from countries where English is not the official language will require proof of English proficiency from an internationally approved English examination (IELTS, TOEFL etc.). Final selection will be*

*done after a written examination followed by and interview (in person or online).*

### **5. Department of Epidemiology and Biostatistics**

- i. MPhil. Field Epidemiology and Applied Biostatistics**

Candidates must have a Bachelor's degree (minimum of Second Class (Upper Division)) from a recognised tertiary institution in any of the Natural Sciences such as: Biology, Allied Health Sciences, Medical Sciences, Biostatistics/Statistics/Actuarial Science, Mathematics or any Public Health related field. Candidates with MPH or Masters in any of the Public Health disciplines can apply. A demonstration of quantitative analytical skills would be of added advantage and a thorough knowledge of English language. In addition, candidates should have at least two (2) years post-graduation work/job experience. Candidates must pass a selection interview.

### **6. Department of Global and International Health**

- i. MPH. Global Health (One Year)**

Candidates applying to pursue any of the MSc/MPH/MPhil programmes, must have a Bachelor's degree (minimum of Second Class (Lower Division)) from a recognised tertiary institution preferably in any of the natural sciences such as medicine, veterinary medicine, nursing, public health, environmental sciences, biology, pharmacy or health-related sectors such as the social sciences, development studies and education. Candidates must have at least two years post-qualification work experience. In addition, candidates will be required to attend and pass a selection interview.

## **E. COLLEGE OF HUMANITIES AND SOCIAL SCIENCES**

### **FACULTY OF LAW**

#### **i. Master of Laws (LLM)**

Candidates must have a Bachelor of Laws (LLB) degree (minimum of Second Class (Upper Division)) or its equivalent from a recognised university. Candidates may be admitted to the programme upon a successful selection interview.

#### **ii. PhD. Law**

Candidates must have a Master of Laws (LLM) degree from a recognised university. An applicant who does not satisfy the stated criteria but is adjudged suitable by the Faculty Board may be admitted to the programme upon a successful selection interview.

### **FACULTY OF SOCIAL SCIENCES**

#### **1. Department of Economics**

##### **i. MSc. Economics (One Year)**

##### **ii. MSc. Economics and Finance (One Year)**

##### **iii. MSc. Business Economics (One Year)**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in the Economics, Economics (with Finance, Management, Accounting, Mathematics, Statistics, Geography, Law, Sociology, Social Work, Political Science, Psychology, History etc.), Business Administration, Finance, Banking and Finance, Accounting, Marketing, Management, Human Resource Management, Mathematics, Statistics, Engineering, Physics, Actuarial Science, Environmental Science, Land Economy, Real Estate, Natural Resource Management; Geography, and related disciplines and related disciplines. Candidates with a degree in any unlisted programme will have their applications assessed independently. In addition, candidates will be required to attend and pass a selection interview.

#### **iv. MPhil. Economics**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Economics. Candidates must have done Econometrics, Economic Theory and Mathematical Economics at the undergraduate level in a recognized tertiary institution. Potential candidates with different backgrounds are advised to pursue the one-year MSc. Economics programme run by the department before applying to the MPhil programme. Admission is subject to passing a selection interview.

#### **v. PhD. Economics**

Candidates must have a first degree in Economics, Second Class (Upper Division) plus an MPhil (with an average grade not less than a B or equivalent) in Economics or related field with sufficient background in Microeconomics, Macroeconomics and Econometrics from a recognised tertiary institution. A good background in econometrics, statistics and mathematics will be an added advantage. Admission is subject to passing an interview.

#### **2. Department of Language and Communication Sciences**

##### **i. MPhil. French**

###### ***Options:***

- ***Literature and Society***
- ***Applied Linguistics***
- ***Translation and Interpreting***

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in French or a postgraduate qualification relevant to the area of study from a recognised University. In addition, candidates will be required to pass a written examination and a selection interview.

##### **ii. PhD. French**

###### ***Options:***

- ***Literature and Society***
- ***Applied Linguistics***
- ***Translation and Interpreting***

Candidates must have a Master's degree in French from a recognised University and must submit a research proposal. In addition, candidates will be required to pass a selection interview.

### **3. Department of English**

#### **i. MPhil. English**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in English. Shortlisted candidates would be examined and interviewed.

#### **ii. PhD. English**

Candidates must have an MA/MPhil degree in English. Prospective Candidates are required to discuss their research topics with the Head of Department or any Senior Member in the Department. In addition, candidates will be required to attend and pass a selection interview.

### **4. Department of Geography and Rural Development**

#### **i. MSc. Geography and Sustainable Development (One Year)**

Candidates must have Bachelor's Degree (minimum of Second Class (Lower Division)) in Geography or other related disciplines. Candidates shall be considered at a selection interview.

#### **ii. MPhil. Geography and Rural Development**

Candidates must have Bachelor's Degree (minimum of Second Class (Lower Division)) in Geography or other Geography related disciplines. Candidates shall be required to submit a synopsis of proposed thesis and pass a selection interview.

#### **iii. PhD. Geography and Rural Development**

Candidates must have a Master's degree with a good research background in Geography or other Geography related disciplines. Candidates shall be required to submit and present a thesis proposal and pass a selection interview.

### **5. Department of Religious Studies**

#### **i. MA. Religious Studies (One Year)**

Candidates must have obtained a Bachelor's degree (minimum of Second Class (Lower Division)) in either Religious Studies or Theology from a recognised University or accredited Theological Seminary/Institution. Applicants with a good Bachelor's degree in any discipline other than Religious Studies or Theology, may apply for the MA programme. Admission for both groups is subject to passing a selection interview.

#### **ii. MPhil. Religious Studies**

Candidates must have obtained a Bachelor's degree (minimum of Second Class (Upper Division)) in either Religious Studies or Theology from a recognised University or accredited Theological Seminary/Institution. Candidates with Social Sciences or Humanities background must, in addition, have a Diploma in Theology/Religious Studies from a recognised University or accredited Theological Seminary/Institution. Admission for both groups is subject to passing a selection interview.

#### **iii. PhD. Religious Studies**

Candidates must have a Master's degree in Religious Studies or Theology with extensive research from a recognised University or Theological Seminary/Institution. A candidate with a one-year Master's degree in Religious/Theology Studies will be made to take the first year courses in the MPhil. Religious Studies programme at the Department. The applicant should pass all courses and attain a minimum CWA of 70 or better and demonstrate the capacity for independent research before they could be considered for admission into the PhD programme. Admission for both groups is subject to passing a selection interview.

### **6. Department of Sociology and Social Work**

#### **i. MA. Sociology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Sociology from a recognised University. A first degree

(minimum of second class lower division) from an accredited University with at least two years work experience. In addition, candidate must have a postgraduate diploma degree from an accredited University with at least two years. All candidates must pass a selection interview or an entrance examination or both.

## **ii. MPhil. Sociology**

Candidates must have a MA/ a Bachelor's degree (minimum of Second Class (Lower Division)) in Sociology or Social Work from a recognised University. Any relevant Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited University with at least two years. All candidates must pass a selection interview or an entrance examination or both.

## **iii. MA. Social Work (One Year)**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Social Work from a recognised University. A relevant first degree in (minimum of second class lower division) from an accredited University with at least two years of work experience in a social service agency. In addition, the candidate must have a postgraduate diploma degree from an accredited University with at least two years in a social service agency. All candidates must pass a selection interview or an entrance examination or both.

## **iv. MPhil. Social Work**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) in Social Work. A relevant first degree in (minimum of second class lower division) from an accredited University with at least two years of work experience in a social service agency. In addition, the candidate must have a postgraduate diploma degree from an accredited University with at least two years in a social service agency. All candidates must pass a selection interview or an entrance examination or both.

## **v. PhD. Sociology**

Candidates must have an MPhil degree in Sociology. Candidates with an MA in sociology and at least two (2) years of work experience in a social research organisation can apply. Candidates with an MPhil in other social sciences from an accredited University and a post-degree minimum of two years of work experience in a social research organisation. All candidates will be interviewed.

## **7. Department of History and Political Studies**

### **i. MA. Chieftaincy and Traditional Leadership (One Year)**

Candidates must have a good first degree in any of the Social Sciences or Humanities degree from an accredited University. Candidates with degrees in other disciplines with related experience/background in Chieftaincy and Traditional Leadership may also be admitted. Students who obtain a CWA of 70 or above at the end of the first year could proceed to do MPhil. Chieftaincy and Traditional Leadership Studies. In addition, candidates will be required to attend and pass a selection interview.

### **ii. Master of Public Administration (Full Time/Weekend)**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in all disciplines. Third Class candidates with more than five years work experience in the public sector may be considered for admission after passing a selection interview.

### **iii. MA. Asante History (One Year)**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in History or other related degrees from accredited universities. Candidates must pass a selection interview.

### **iv. MPhil. Historical Studies**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in History or other related degrees from accredited universities. Candidates must pass a selection interview.

## **v. MPhil. Political Science**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Political Science from accredited universities. Candidates must pass a selection interview.

## **vi. PhD. Historical Studies**

Candidates must have an MPhil. in Historical Studies or other related degrees from accredited universities. Candidates must pass a selection interview.

### **• KNUST SCHOOL OF BUSINESS (KSB)**

#### **1. Master of Business Administration (MBA) - Regular/Evening/Weekend**

##### **Areas of Specialisation:**

##### ***i. Accounting***

Candidates must have a Bachelor's degree (Second Class (Lower Division)) in Administration (Finance and Accounting option), Commerce from a recognised University. Other degree holders with Part 1 or 2 qualified or fully qualified certificates of ACCA, CIMA, ICAG, ICAEW, CPA, CFA, and, or related field.

##### ***ii. Finance***

Candidates must have a Bachelor's degree (Second Class (Lower Division)) in Finance and Financial Economics, Administration (Finance and Accounting option), and Commerce from a recognised University. Holders of Finance and Financial Economics or related degree acceptable by the National Accreditation Board of Ghana.

##### ***iii. Marketing***

##### ***iv. Entrepreneurship and Business Management***

##### ***v. Strategic Management and Consulting***

##### ***vi. Human Resource Management***

##### ***vii. Management and Organisational Development***

##### ***viii. Logistics and Supply Chain Management***

##### ***ix. Management Information Systems (MIS)***

Candidates must possess a Bachelor's degree (minimum of Second Class (Lower Division)) or equivalent professional qualifications from a recognised institution in any relevant area. Candidates must pass a selection

interview. An entrance examination may be required when necessary. All candidates must demonstrate their ability to pay all approved programme fees for the duration of study.

#### **2. Master of Science Programmes (Weekends Only)**

##### ***i. MSc. Marketing***

##### ***ii. MSc. Management and Human Resource Strategy***

##### ***iii. MSc. Accounting and Finance***

##### ***iv. MSc. Finance***

##### ***v. MSc. Logistics and Supply Chain Management***

##### ***vi. MSc. Procurement and Supply Chain Management***

##### ***vii. MSc. Business and Data Analytics***

##### ***viii. MSc. Air Transportation and Aviation Management (Accra Only)***

Candidates must possess a Bachelor's degree (minimum of Second Class (Lower Division)) in a relevant discipline. All candidates must demonstrate their ability to pay all approved programme fees for the duration of study.

##### ***i. MSc. Corporate Governance and Strategic Leadership***

Candidates must possess a Bachelor's degree (minimum of Second Class (Lower Division)) in a relevant discipline from a recognised University or Institution of Higher Learning. Candidates with Postgraduate Diploma in Corporate Governance and Strategic Leadership, or postgraduate Certificate in either Corporate Governance or Strategic Leadership or both shall be given exemptions or credits up to the number of courses they have already taken.

#### **3. PhD. Organisational Leadership**

#### **4. PhD. Business and Management**

##### **Areas of Specialisation:**

##### ***i. Human Resource Strategy***

##### ***ii. Logistics and Supply Chain Management***

##### ***iii. Procurement and Supply Chain Management***

Candidates must have an MPhil degree. Candidates must show proof of ability to pay fees. Candidates must have at least one (1) year teaching experience and a strong research background. In addition, candidates will be required to attend and pass a selection interview.

- 5. MPhil. Management and Human Resource Strategy**
- 6. MPhil. Logistics and Supply Chain Management (Weekend Only)**
- 7. MPhil. Procurement and Supply Chain Management (Weekend Only)**
- 8. MPhil. Accounting**

Candidates must have a Master's degree in Accounting and will be required to attend a proposal interview.

**9. MPhil. Finance**

Candidates must have a Master's degree in Finance and Financial and will be required to attend a proposal interview

**10. MPhil. Business and Management**

**Areas of Specialisation:**

- i. Accounting*
- ii. Finance*
- iii. Marketing*
- iv. Strategic Management and Consulting*
- v. Hospitality and Tourism Management*
- vi. Human Resource Management*
- vii. Management and Organisational Development*
- viii. Procurement and Supply Chain Management (Weekend/Evening)*
- ix. Logistics and Supply Chain Management (Weekend/Evening)*
- x. Management Information Systems (Weekend/Evening)*

Candidates shall hold a Master's degree (MSc or MBA in the relevant Business Administration subject area) from a recognised University or institution of higher learning. All candidates must attend and pass interview sessions conducted by the Departments. All candidates must demonstrate their ability to pay all approved programme fees for the duration of study.

Candidates without a Master's degree qualification in relevant Business Administration subject areas but possess Bachelor's degree (minimum of Second Class (Lower Division)) in any subject area shall be admitted into

the MSc. programme and may be upgraded to MPhil. after achieving a minimum CWA of 70 at the end of the first year.

***Please Note:***

*MBA FULL-TIME students shall be made to choose to join EITHER the EVENING or WEEKEND stream in the Second Year.*

**F. COLLEGE OF SCIENCE**

**• FACULTY OF BIOSCIENCES**

**1. Department of Biochemistry and Biotechnology**

- i. MSc. Biotechnology**
- ii. MPhil. Biotechnology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited institution of higher learning in any of the following fields: Biochemistry, Biotechnology, Chemistry, Pharmacy, Biomedical Science, Medical Laboratory Technology, Biological Sciences, Agricultural Science, and other related disciplines. MPhil candidates will be required to pass a selection interview.

**iii. MPhil. Biochemistry**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited institution of higher learning in any of the following fields: Biochemistry, Biotechnology, Chemistry, Pharmacy, Biomedical Science, Medical Laboratory Technology, Biological or chemical engineering, Agricultural Science, and other related disciplines. Candidates will be required to pass a selection interview. Work experience is added advantage.

- iv. MSc. Biodata Analytics and Computational Genomics**
- v. MPhil. Biodata Analytics and Computational Genomics**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited institution of higher learning in any

of the following fields: Biotechnology, Molecular Biology, Biochemistry, Biological Sciences, Medicine, Pharmacy, Computer Science, Engineering, Statistics, Mathematics, and other related disciplines. MPhil candidates will be required to pass a selection interview.

**vi. MSc. Forensic Science**

**vii. MPhil. Forensic Science**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) from a recognized University in any of the following fields: Biochemistry, Biology, Physics, Chemistry, Molecular Biology, Pharmacy, or Human Biology and related disciplines. In addition, candidates will be required to attend and pass a selection interview.

**viii. MPhil. Human Nutrition and Dietetics**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) from a recognized University in any of the following fields: Biochemistry, Food Science, Animal Science, Nutrition, Nursing, Biological Sciences, Medicine, Pharmacy, Dietetics, Home Economics and related fields. Candidates with Home Economics background will be required to have a minimum of 12 undergraduate credits in Chemistry and/or Biochemistry. Candidates will be required to pass a selection interview.

**ix. PhD. Biotechnology**

**x. PhD. Biochemistry**

Candidates must have an MSc or MPhil degree from a recognised university in any of the following fields: Biochemistry, Biotechnology, Chemistry, Biomedical Science, Pharmacy, Medical Laboratory Technology, Biological or Chemical Engineering, Agricultural Science, and other related disciplines. Candidates will be required to submit a research proposal and pass a selection interview.

**xi. PhD. Human Nutrition and Dietetics**

Candidates must have an MSc or MPhil degree from a recognised university in any of the following fields: Biochemistry, Nursing, Biological Sciences, Food Science, Nutrition, Medicine, Dietetics, and other related disciplines.

Candidates will be required to submit a research proposal and pass a selection interview.

**xii. PhD. Biodata Analytics and Computational Genomics**

Candidates must have an MSc or MPhil degree from a recognised university in any of the following fields: Biodata Analytics and Computational Genomics, Biotechnology, Molecular Biology, Biochemistry, Biological Sciences, Medicine, Pharmacy, Computer Science, Engineering, Statistics, Mathematics, and other related disciplines. Candidates will be required to submit a research proposal and pass a selection interview.

*NB: International students from countries where English is not the official language will require proof of English proficiency. (Minimum of one-year).*

**2. Department of Food Science and Technology**

**i. MSc. Food Quality Management**

Candidates must have a BSc degree (minimum of Second Class (Lower Division)) in Food Science and Technology, Biochemistry, Chemistry, Nutrition Science, Biology, Agricultural Engineering, Chemical Engineering, or related science or technology disciplines from a recognised university. A higher-level professional qualification or an advanced degree and relevant work experience in a food-related establishment may be considered where the candidate has not reached the requirement above. Such candidates shall be assessed through a selection interview. Work experience may be an advantage.

**ii. MSc. Food Science and Technology**

Candidates must have a BSc degree (minimum of Second Class (Lower Division)) in Food Science, Nutrition, Biochemistry, Biology, Chemistry, Agricultural Science, Agricultural Engineering, Chemical Engineering, Natural Resources Management, and other science-based degrees from a recognised university. A higher-level professional qualification or an advanced degree and relevant work experience in food-related establishment may be considered where the candidate has not reached the requirement above. Such candidates shall be assessed through a selection interview or an entrance examination. Work experience may be an advantage.

### **iii. MPhil. Food Science and Technology**

Candidates must have a BSc degree (minimum of Second Class (Lower Division)) in Food Science and Technology, Food Science and Nutrition, Food Technology, Food Science, Biochemistry, and Chemical Engineering. Candidates with a Bachelor's degree in any closely related field may apply, such candidates shall be required to satisfy prerequisite courses. Work experience may be an advantage. In addition, candidates will be required to attend and pass a selection interview.

### **iv. PhD Food Science and Technology**

Candidates must have a master's degree in Food Science and Technology. Other candidates must have completed course work in any three (3) out of the under-listed areas at the Masters' levels.

- Food Chemistry or related courses
- Food Microbiology or related courses
- Food Processing/Technology/Engineering or related courses
- Food Product Development/Sensory Science or related courses

Candidates with the under-listed degrees are eligible to apply provided they are willing to satisfy the prerequisite courses while on the PhD programme.

- MSc/MPhil Food Quality Management or its equivalent
- MSc/MPhil Chemistry or its equivalent
- MSc/MPhil Food Microbiology or its equivalent
- MSc/MPhil Biochemistry or its equivalent
- MSc/MPhil Agricultural Science or its equivalent

Admission shall be based on application with relevant qualification, research proposal, performance at a selection interview and acceptance of prerequisite courses where recommendations have been made.

*NB: International students from countries where English is not the official language will require proof of English proficiency. (Minimum of one-year).*

## **3. Department of Environmental Science**

### **i. MPhil. Environmental Science**

Candidates must have Bachelor of Science degree or its equivalent in Environmental Science, Biological Sciences, Physics, Chemistry, Mathematics, Engineering, Natural Resources, or other related fields from

a recognised university. Work experience may be an advantage. Candidates may be required to pass a selection interview.

### **ii. MPhil. Environmental Science (Top-Up)**

Candidates who already have a one-year MSc. degree in Environmental Science and related disciplines (by taught course) can be admitted into the second year (research phase) of the MPhil. Environmental Science programme. Candidates may be required to pass a selection interview.

### **iii. PhD. Environmental Science**

Candidates must have an MPhil degree or a MSc with a research and, or its equivalent from a recognised institution, in Environmental Science, Mathematics, Chemistry, Physics, Engineering, Biological Sciences, Natural Resources or other related disciplines from a recognised university. Candidates may be required to pass a selection interview.

*NB: International students from countries where English is not the official language will require proof of English proficiency. (Minimum of one-year).*

## **4. Department of Theoretical and Applied Biology**

### **i. MPhil. Parasitology**

### **ii. MPhil. Ecology**

### **iii. MPhil. Entomology**

### **iv. MPhil. Plant Physiology**

### **v. MPhil. Microbiology**

### **vi. MPhil. Plant Pathology**

### **vii. MPhil. Reproductive Biology**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) or its equivalent from a recognised institution in Biological Sciences, Biomedical Sciences, Medical Laboratory Technology, Biotechnology, Agriculture, Biochemistry, or other related Biosciences programmes. Candidates will be required to pass a selection interview.



- viii. **PhD. Parasitology**
- ix. **PhD. Ecology**
- x. **PhD. Entomology**
- xi. **PhD. Animal Physiology**
- xii. **PhD. Limnology and Fisheries**
- xiii. **PhD. Plant Physiology**
- xiv. **PhD. Microbiology**
- xv. **PhD. Plant Pathology**
- xvi. **PhD. Reproductive Biology**

Candidates must have a Master's degree or its equivalent from a recognised institution and shall submit a research proposal to undertake the proposed programme. Candidates will be required to pass a selection interview.

*NB: International students from countries where English is not the official language will require proof of English proficiency. (Minimum of one-year).*

## **5. Department of Optometry and Visual Science**

### **i. MPhil Vision Science**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) from a recognised University in Optometry, Vision Science, Neuroscience, Pharmaceutical Sciences, Psychology, Mathematics, Physics, Human Biology, Medicine, Chemistry, Ophthalmology, Biological Sciences/Molecular, Biomedical Sciences, Computer Engineering/Science. Candidates shall be required to pass a selection interview.

### **ii. PhD Vision Science**

Candidates must have an MSc or MPhil degree in Optometry, Vision Science, Neuroscience, Pharmaceutical Sciences, Psychology, Mathematics, Physics, Human Biology, Medicine, Chemistry, Ophthalmology, Biological Sciences/Molecular, Biomedical Sciences, Computer Engineering/Science. Candidates shall be required to pass a selection interview.

*NB: International students from countries where English is not the official language will require proof of English proficiency. (Minimum of one-year).*

## **FACULTY OF PHYSICAL & COMPUTATIONAL SCIENCES**

### **1. Department of Chemistry**

- i. **MPhil. Chemistry**
- ii. **MPhil. Organic and Natural Products**
- iii. **MPhil. Analytical Chemistry**
- iv. **MPhil. Environmental Chemistry**
- v. **MPhil. Physical Chemistry**

Candidates must have a Bachelor's degrees in Chemistry, Chemical Engineering, Materials Science/Engineering and related science disciplines with a minimum of Second Class (Lower Division). In addition, candidates will be required to attend a selection interview.

### **vi. MPhil. Polymer Science and Technology**

Candidates must have Bachelor's degrees in Chemistry, Physics, Chemical Engineering, Materials Science/Engineering and related science disciplines with a minimum of Second Class (Lower Division). In addition, candidates will be required to attend a selection interview.

### **vii. PhD. Chemistry**

Candidates must have an MSc/MPhil degree or its equivalent in Chemistry, Physics, Chemical Engineering, Materials Science/ Engineering, and any science disciplines. In addition, candidates will be required to attend and pass a selection interview.

## **2. Department of Physics**

### **i. MPhil. Geophysics**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Physics, Geology and related disciplines, Engineering, Mathematics or Statistics from a recognised university. In addition, candidates will be required to attend a selection interview.

### **ii. MPhil. Environmental Physics**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Physics, Meteorology and Climate Science, Mathematics, Engineering or Chemistry from a recognised university. In addition, candidates will be required to attend a selection interview.

### **iii. MPhil. Solid State Physics**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Physics, Materials Engineering or Engineering Physics from a recognised university. In addition, candidates will be required to attend a selection interview.

### **iv. MPhil. Materials Science**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Physics, Materials Engineering or Chemical Engineering from a recognised university. In addition, candidates will be required to attend a selection interview.

### **v. MPhil. Nuclear Science and Technology**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Physics, or Physics with Biomedical Physics from a recognised university. In addition, candidates will be required to attend a selection interview.

### **vi. MPhil. Mathematical and Computational Physics**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Physics, Meteorology and Climate Science, Engineering, Chemistry, or Mathematics from a recognised university. In addition, candidates will be required to attend and pass a selection interview.

*The programme is in collaboration with the University of L'Aquila – Itali.*

### **vii. PhD. Geophysics**

Candidates must have an MPhil degree in Geophysics, Geology with Geophysics or Geosciences related fields with specialisation in Geophysics from a recognised university. In addition, candidates will be required to attend and pass a selection interview.

### **viii. PhD. Environmental Physics**

Candidates must have an MSc/MPhil degree in Physics, MPhil Degree in Meteorology and Climate Science, Mathematics, or Chemistry from a recognised university. In addition, candidates will be required to attend and pass a selection interview.

### **ix. PhD. Solid State Physics**

Candidates must have an MPhil degree in Solid State Physics, Materials Science, or Physics with specialisation in Physics Materials or Solid State from a recognised university. In addition, candidates will be required to attend and pass a selection interview.

### **x. PhD. Materials Science**

Candidates must have an MPhil degree in Solid State Physics, Materials Science, Chemistry, Engineering, Geophysics, or Physics with specialisation in Physics Materials or Solid State from a recognised university. In addition, candidates will be required to attend and pass a selection interview.

### **xi. PhD. Nuclear Science and Technology**

Candidates must have an MSc/MPhil. degree in Physics, MPhil. Degree in Applied Physics, Nuclear Physics, Applied Nuclear Physics, or Biomedical

Physics from a recognised university. In addition, candidates will be required to attend and pass a selection interview.

### **xii. PhD. Mathematical and Computational Physics**

Candidates must have an MPhil. degree in Solid State Physics, Materials Science, Physics, Engineering, Geophysics, Applied Physics, Nuclear Physics, Applied Nuclear Physics, Meteorology and Climate Science, Mathematics, Applied Mathematics, Environmental Physics from a recognised university. In addition, candidates will be required to attend and pass a selection interview.

*The programme is in collaboration with the University of L'Aquila – Itali.*

## **3. Department of Meteorology and Climate Science**

### **1. MPhil. Meteorology and Climate Science**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Meteorology and Climate Science, Physics, Mathematics, Chemistry, Engineering, Computer Science, from a recognised university or Geography plus World Meteorological Organisation (WMO) diploma in meteorology and at least three (3) years work experience with a meteorology and climate science agency. In addition, candidates will be required to attend a selection interview.

### **2. PhD. Meteorology and Climate Science**

Candidates must have an MPhil degree in Meteorology and Climate Science, Environmental Physics or Atmospheric Physics from a recognised university. In addition, candidates will be required to attend a selection interview.

## **4. Department of Mathematics**

### **i. MPhil. Pure Mathematics**

### **ii. MPhil. Applied Mathematics**

Candidates must have a minimum of Second-Class Honors (Lower Division) from a recognized University in the following areas: Bachelor of Science in Mathematics, Statistics, Actuarial Science, or related degrees.

The Programme is an English-speaking graduate programme that will involve faculties from the Department of Mathematics, KNUST, and partner institutions to cover the curriculum. Therefore, the following are the language requirements:

Credit passes in English language at O/L, WAEC/SSSCE West African School Certificate Examinations or at the baccalaureate, or Candidates from non-Anglophone countries must have an internationally recognized Certificate of Proficiency in the English Language (TOEFL or British Council, IELTS) with above average score e.g. TOEFL (75% or above).

Candidates without this qualification will take a two-month university programme before the programme commences each year.

*The lack of proficiency in English would not constitute a determinant criterion against the selection of a candidate. Prior to arriving in KNUST, the Mathematics Department will facilitate the attendance of an intensive English language training programme at KNUST for Non-English-speaking participants.*

### **iii. MPhil. Scientific Computing and Industrial Modeling**

Candidates must have obtained a Bachelor of Science honours Degree from a reputable and accredited University or Institution of Higher Learning. Candidates with Bachelor's Degrees in the Sciences, such as Mathematics, Statistics, Computer Science, Physics and Chemistry, and Engineering may apply. Candidates with a minimum of Second-Class Upper degrees shall be given priority during the recruitment process. Candidates must attend and pass an interview that will be conducted by an admission committee set up by NIMS-Ghana and the Department of Mathematics.

### **iv. PhD. Scientific Computing and Industrial Modeling**

Candidates must have a minimum of Second-Class Honors (Upper Division) in their first degree or a postgraduate diploma in Mathematics or its equivalent and a good Master of Philosophy in Scientific computing and industrial modeling, Applied Mathematics, Computer Science or its equivalent and other relevant disciplines, with an average of at least 60% CWA and must submit academic transcripts. Candidates from non-Anglophone countries must have an internationally recognized. Certificate

of Proficiency in the English Language (TOEFL or British Council, IELTS) with above average score. Otherwise, they will undertake a three-month intensive English training at KNUST. Candidates must be less than 35 years of age and must submit three favorable references, one of whom may preferably be the supervisor at the Master's level. In addition, the following are also essential for selecting participants. Candidates must demonstrate adequate intellectual capacity, maturity and effective decision making, problem-solving potential and should be socially competent. Candidates must submit both soft and hard copies of the research pre-proposal (about 6 - 8 pages double space), which will be fine-tuned under the guidance of their supervisors, if admitted. Candidates must show evidence of current and previous employment. Full-time availability after admission for a period of at least three years. Candidates must pass an interview.

**v. PhD. Pure Mathematics**

**vi. PhD. Applied Mathematics**

Candidates must have a minimum of Second-Class Honors (Upper Division) in their first degree or a postgraduate diploma in Mathematics or its equivalent. Candidates must have a good Master of Philosophy in Pure/Applied Mathematics or its equivalent and other relevant disciplines, with an average of at least 65% CWA and must submit academic transcripts. Candidates from non-Anglophone countries must have an internationally recognized Certificate of Proficiency in the English Language (TOEFL or British Council, IELTS) with an above-average score. Otherwise, they will undertake a three-month intensive English training and must submit three favorable references, one of whom may preferably be the supervisor at the master's level. In addition, candidates must demonstrate adequate intellectual capacity, maturity, and effective decision-making, problem-solving potential and should be socially competent. Candidates must submit both soft and hard copies of the research pre-proposal (about 6 – 8 pages double space), which will be fine-tuned under the guidance of their supervisors if admitted. Candidates must show evidence of current and previous employment. Full-time availability after admission for a period of at least three years. Candidates must attend and pass an interview that will be conducted by an admission committee set up by the Department of Mathematics KNUST.

**5. Department of Statistics and Actuarial Science**

**i. MPhil. Actuarial Science**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Mathematics, Statistics, Actuarial Science, Physics and Engineering. Candidates with a good first degree in Finance, Accounting, Economics and other relevant disciplines will be considered provided they also pass at least level 1 examination from the Society of Actuaries (SOA), Casualty Actuarial Society (CAS) and Canadian Institute of Actuaries (CIA) examinations, Institute and Faculty of Actuarial (IFOA). Candidates with a good MSc in Actuarial Science, Statistics, Mathematics, Finance, Accounting, Economics, and other related disciplines will be considered provided they audit courses not done in MSc studies. Candidates will be required to attend and pass a selection interview.

**ii. MPhil. Mathematical Statistics**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Mathematics, Statistics, Actuarial Science or related disciplines. Candidates with a good MSc in Actuarial Science, Statistics, Mathematics, Finance, Accounting, Economics, and other related disciplines will be considered provided they audit courses not done in MSc studies. Candidates will be required to attend and pass a selection interview.

**iii. PhD Actuarial Science**

**iv. PhD Mathematical Statistics**

Candidates must hold an MPhil degree in Mathematics, Statistics, or Actuarial Science with a strong research background and must independently be able to carry out original scientific research. Qualified applicants will be interviewed.

## **6. Department of Computer Science**

### **i. MSc. Computer Science**

### **ii. MPhil. Computer Science**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited university in any of the following areas: Computer Science, Computer Engineering, Software Engineering, Telecommunication Engineering, Computer Networking/Networks, Artificial Intelligence, Computer Science with Mathematics, Computer Forensics, Computer Technology, Computer Gaming, Computer Security. Candidates must demonstrate that they are familiar with at least one programming language (i.e., C, C++, C#, Java, Python, JavaScript)

### **iii. MSc. Cyber Security and Digital Forensics**

### **iv. MPhil. Cyber Security and Digital Forensics**

Candidates must have a Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited university in Computer Science, Computer Forensics, Computer Engineering, Information Technology (2<sup>nd</sup> Upper), Cyber Security, and Network Engineering.

### **v. MSc. Information Technology**

### **vi. MPhil. Information Technology**

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited university in any of the following areas: Information Technology, Information, Communication and Technology, Computer Science, Computer Engineering, Software Engineering, Telecommunication Engineering, Computer Networking/Networks, Artificial Intelligence, Computer Science with Mathematics, Computer Forensics, Computer Technology, Computer Gaming, Computer Security. In exceptional cases, candidates found to have a weak background in any course, especially in programming, may be required to take extra courses as may be deemed necessary.

### **vii. PhD. Computer Science**

### **viii. PhD. Information Technology**

Candidates must have a master's degree (MSc/MPhil) from an accredited university in either Information Technology, Information, Communication

and Technology, Computer Science, Computer Engineering, Software Engineering, Telecommunication Engineering, Computer Network/Networks, Artificial Intelligence, Computer Science with Mathematics, Computer Technology, Computer Security, Computer Forensics, Computer Gaming.

## **G. INSTITUTE OF DISTANCE LEARNING**

*All MPhil/MBA programmes are for two years and MSc/MPA programmes are of one-year duration. Applicants may be required to attend a selection interview.*

1. MSc. Health Informatics
2. MSc. Information Technology
3. MSc. Human Nutrition
4. MSc. Food Quality Management
5. MSc. Biotechnology
6. MSc. Forensic Science
7. Commonwealth Master of Business Administration (CMBA) with specialisations in:
  - a) *Finance*
  - b) *Marketing*
  - c) *Human Resource Management*
  - d) *Logistics and Supply Chain Management*
  - e) *Accounting*
8. MBA International Business
9. MSc. Planning, Monitoring and Evaluation
10. MSc. Industrial Finance and Investment
11. MSc. Business Consulting and Enterprise Risk Management
12. MSc. Educational Innovations and Leadership Science
13. Master of Education (M.Ed)

14. MSc. Project Management (available at the Accra and Takoradi Centres only)
15. MSc. Development Management
16. Master of Public Administration (MPA)
17. MSc. Security and Justice Administration
18. MSc. Energy and Sustainable Management
19. MSc. Hospitality and Tourism Management
20. MSc. Strategic Management and Leadership
21. MSc. Corporate Governance and Strategic Leadership
22. MSc. Insurance and Business Continuity
23. MSc. Development Finance
24. MSc. Management and Human Resource Strategy
25. MSc. Marketing
26. MSc. Economics (available at the Accra Centre only)
27. MPhil. Post-Harvest Technology (Horticulture)
28. MSc. Logistics and Supply Chain Management
29. MSc. Procurement and Supply Chain Management
30. MSc. Geography and Sustainable Development
31. MSc. Accounting and Finance
32. MSc. Actuarial Science
33. MSc. Applied Statistics
34. MSc. Environmental Science
35. MSc. Agribusiness Management
36. MSc. Mechanical Engineering
37. MSc. Cyber Security and Digital Forensics
38. MSc. Environmental Resources Management
39. MSc. Communication System and Network Engineering
40. Professional Master of Engineering with Management (MEng) Programmes
41. MPhil. Crop Science
42. MSc. Agricultural Extension and Development Communication
43. MSc Physics

## **ENTRY REQUIREMENTS OF PROGRAMMES**

1. MSc. Health Informatics
2. MSc. Information Technology
3. MSc. Human Nutrition
4. MSc. Food Quality Management
5. MSc. Biotechnology
6. MSc. Forensic Science

### **Entry Requirements (Programmes 1 – 6):**

Applicants for all the above programmes (1 – 6) must hold a good bachelor's degree from a recognised University in Science (Physical and Biological) or Engineering background.

7. Commonwealth Master of Business Administration with specialisations in:
  - a) *Finance*
  - b) *Marketing*
  - c) *Human Resource Management*
  - d) *Logistics and Supply Chain Management*
  - e) *Accounting*
8. MBA International Business
9. MSc Planning, Monitoring and Evaluation
10. MSc. Industrial Finance and Investment
11. MSc Business Consulting and Enterprise Risk Management
12. MSc. Educational Innovations and Leadership Science
13. Master of Education
14. MSc. Project Management
15. MSc. Development Management
16. Master of Public Administration
17. MSc. Security and Justice Administration
18. MSc. Energy and Sustainable Management
19. MSc. Hospitality and Tourism Management
20. MSc. Strategic Management and Leadership
21. MSc. Corporate Governance and Strategic Leadership
22. MSc. Insurance and Business Continuity

- 23. MSc. Development Finance
- 24. MSc. Management and Human Resource Strategy
- 25. MSc Marketing
- 26. MSc. Economics with options in:
  - a) *MSc. Economics*
  - b) *MSc. Economics (Money, Banking and Finance)*
  - c) *MSc. Economics (Energy and Resource Economics)*
  - d) *MSc. Economics (Health Economics and Policy)*

### **Entry Requirements (for Programmes 7 – 26):**

Applicants to the above programmes (7 – 26) must possess:

A good bachelor's degree in **any discipline** from a recognised University; or Professional qualifications (i.e., Chartered Level) in Accounting, Banking, Finance, Administration, Marketing, Management, Insurance, Engineering, Risk Management, etc. (e.g., ICAG, ACCA, CIMA, CIM, CPA, CIB, CII, ICMCI, CIRM, CFA, CFM, etc.).

### **27. MPhil. Post-Harvest Technology (Horticulture)**

Applicants must hold a good bachelor's degree from a recognised University in Post-Harvest Technology, Agriculture, Agricultural Biotechnology, Natural Resource Management, Biological Sciences and other related sciences.

### **28. MSc. Logistics and Supply Chain Management**

A good bachelor's degree from a recognised University in Logistics and Supply Chain Management related discipline; or A good first degree in any discipline with appreciable work experience in Supply Chain, Logistics or Transport Management; or An international advanced diploma in Logistics and Supply Chain Management.

### **29. MSc. Procurement and Supply Chain Management**

Applicants must hold a good bachelor's degree from a recognised University in Supply Chain Management; Candidates without a background in Supply Chain Management **MUST** have verifiable experience and/or training in Procurement Management; or Applicants that are chartered members of CIPS with two years' work experience.

### **30. MSc. Geography and Sustainable Development**

A good bachelor's degree in any Geography and Development related discipline. Other Candidates with professional qualifications may be considered.

### **31. MSc. Accounting and Finance**

A good bachelor's degree from a recognised University in Accounting or Finance; or A good first degree with option in Accounting e.g., BSc Mathematics with Accounting; Any other good degree with Part II qualification from recognised professional accounting bodies such as: ICAG, ACCA, CIMA, etc.

### **32. MSc. Actuarial Science**

A good first degree from a recognised University in Actuarial Science, Physics, Mathematics, Engineering Accounting, Finance, Economics or any programme within the Mathematical Sciences with evidence of Mathematical or quantitative ability.

### **33. MSc. Applied Statistics**

A good first degree from a recognised University in Statistics, Mathematics, or a Mathematical-related degree such as Actuarial Science, Economics, Computer Science, etc.

### **34. MSc. Environmental Science**

A good first degree from a recognised University in Biological Sciences, Biochemistry, Chemistry, Physics, Mathematics, Engineering, Geography, Culture and Tourism, Natural Resource Management and Agriculture.

### **35. MSc. Agribusiness Management**

A good first degree from a recognised University in Agribusiness Management, Business Administration, Agriculture and **relevant subject areas**.

### **36. MSc. Mechanical Engineering**

A good first degree in Mechanical Engineering or an allied discipline from a recognised University.

### **37. MSc. Cyber Security and Digital Forensics**

A good first degree from a recognised University in Computer Science, Information Technology, Computer Engineering, Information Systems, Physics, Mathematics, Telecommunication, Business Information Technology, Electrical Engineering and other related Science or Engineering background. Candidates with professional qualifications and experience in the relevant area may be considered. In addition to (i) and (ii) above, applicants may be required to go through background security checks with the relevant state agency.

### **38. MSc Environmental Resources Management**

A good first degree from a recognised University in Mineral Processing, Engineering, Material Science and Engineering, Architecture, Agriculture, Renewable Natural Resources and Physical Science.

### **39. MSc. Communication System and Network Engineering**

A good first degree from a recognised University in Telecommunication, Electrical/Electronic Engineering, Computer Engineering, Computer Science, Physics, Mathematics, Telecommunication or other related Science or Engineering subjects; or Applicants with BSc Electrical and Electronic Technology in Education or BSc Information and Communication Technology in Education and a CWA of 45 in a semester bridging course organised by the University.

### **40. Professional Master of Engineering with Management (MEng) Programmes:**

#### **General Entry Requirements**

A good first degree from a recognised University with minimum of two years of working experience

#### **Specific Entry Requirements for Options:**

##### **A. Oil and Gas (Mid and Downstream)**

Possesses a BSc or B-Tech degree in Chemical Process and other Engineering disciplines from a recognised University;

##### **B. Industrial Operations**

Possesses a BSc or B-Tech degree in Engineering disciplines from a recognised University.

##### **C. Energy Systems Engineering**

Possesses a BSc or B-Tech degree in Mechanical Engineering or Energy related engineering disciplines from a recognised University.

#### **Duration of MEng Programmes**

The professional engineering programmes are **MODULAR**, and the modules will be run during weekends. The programme will cover **two (2) academic years**.

### **41. MPhil. Crop Science**

A Bachelor's degree with a minimum of Second Class (Lower Division) in Agriculture, Agriculture Education, Natural Resources, Biological Science or Environmental Science from a recognised University, Technical University or University College.

### **42. MSc. Agricultural Extension and Development Communication**

A good first degree in Agriculture or relevant subject areas (Natural Resource Management, Rural Development, Development Planning, Development Studies, Environmental Management, Sociology, Psychology) from a recognised University or Institution of higher learning.

### **43. MSc. Physics**

A good first degree in Physics, Meteorology and Climate Science, Engineering or Mathematics from a recognised University or Institution of higher learning

#### **1. IDL Learning Centres are as follows:**

- **KUMASI** – The Office of the Director, Institute of Distance Learning, Casely-Hayford Building, KNUST Campus; contact/WhatsApp 0204743271, 0245077483, 0509314350, 0279857058
- **ACCRA** – Old KNUST Guest House near ECOBANK Head Quarters; contact/WhatsApp Mr Michael Wiafe Yeboah 0500482875 or KNUST Accra City Campus, Kwabenya; contact/WhatsApp Mr Luke Ayamga 0546924824
- **TEMA** – ECG Training School (Community 10); contact/WhatsApp Mrs. Debora Achamfuo-Yeboah 0500 482 874



- **SUNYANI** – Catholic Pastoral, Social and Training Centre (New Dormaa); contact/WhatsApp Mr. Jesse Jones Bezzel 0500482877
- **HO** – Ho Technical University, Volta Region; contact/WhatsApp Mr Stephen Gbena 0500482873
- **TAKORADI** – Sekondi-Takoradi City Campus, Kansaworodo, contact/WhatsApp Miss Dora Osei Boateng 0500 482 883
- **KOFORIDUA** – Ghana Highway Authority Training School; contact/WhatsApp Mr Isaac Agyapong 0201 765 296
- **TAMALE** – KNUST IDL Centre, Kapohini (near SSNIT Regional Headquarters); contact/WhatsApp Mr. Mukasa Zoogah 0500 482 880, 0208 288 666
- **BOLGATANGA** – Bolgatanga Senior High School (Big BOSS); contact/WhatsApp Mr. Mukasa Zoogah 0500 482 880, 0208 288 666
- **WA** – Wa Technical University; contact/WhatsApp Mr. Dominic Wanaa 0208816276.

2. **PLEASE NOTE: Programmes would only be mounted at Centres with the requisite minimum number of qualified applicants** (please contact IDL Office for details).
3. Facilitation is **a blend of online and face-to-face sessions** on weekends (Saturdays and Sundays) at the Centres mentioned above.
4. For more information and in-depth knowledge about the programmes, visit [idl.knust.edu.gh](http://idl.knust.edu.gh) or call 0247 274 661 or 0500 482 885 or 0501 102 650.