

KWAME NKURUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, KUMASI

SCHOOL OF GRADUATE STUDIES

ADMISSION OF CANDIDATES TO RESEARCH OR HIGHER DEGREE PROGRAMMES FOR 2022/2023 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 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 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,

Masters Programmes (Full-Time) are of Two (2) Academic Years and (Part-Time) Three (3) Academic Years duration.

PhD Programmes (Full-Time) are of Four (4) Academic Years and (Part-Time) are of Five (5) Academic Years duration.

MODE OF APPLICATION

Sale of **E-Vouchers** for admission shall commence on **23rd May, 2022**

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. Deadline for sale of forms and completion of online application is **31st October, 2022**.

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 the English Language (TOEFL or British Council, IELTS) with 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

ii. MPhil. Reproductive Physiology

iii. MPhil. Animal Nutrition

iv. MPhil. Meat Science

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Agriculture or related disciplines from any recognised University. Candidates with Second Class (Lower Division) 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 or related disciplines from any recognised University and shall submit evidence of adequate training and ability to undertake the proposed programme.

2. Department of Agricultural Economics, Agribusiness and Extension

i. MSc. 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 shall be required to pass a selection interview.

ii. MSc. Agricultural Extension and Development Communication

Candidates must have 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.

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 shall be required to pass a selection interview.

iv. MPhil. Agricultural Economics

Candidates must have Bachelor of Science (BSc) or Bachelor of Art (BA) degree (Minimum of Second Class (Lower 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. Candidates shall be required to pass a selection interview.

v. MPhil. Agricultural Extension and Development Communication

Candidates must have 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 Bachelor's degree (minimum of Second Class (Upper Division)) in Agriculture or related discipline from a recognised.

- 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. Landscape Studies**
- v. MPhil. Vegetable Crops Production**

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Agriculture, Landscaping or Allied programmes. Candidates with Second Class (Lower Division) may be considered after a selection interview or must demonstrate considerable experience in research in the relevant field.

- 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 proposed programme.

Candidates with degrees in Architecture, Planning, Geography, Fine Art, Civil Engineering and Building Technology may also be considered for programmes in Landscape Studies only.

- **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 Resources Management, Environmental Management, Agriculture, Engineering, Planning, Land Economy, Law, Business, Social or Natural Sciences. Candidates with Second Class (Lower Division) and some work experience may be admitted after a selection interview.

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

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Natural Resources Management, Agriculture or Natural Sciences.

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

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

- 3. **Department of Agroforestry**

- i. **MPhil. Agroforestry**

Candidates must have 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 degrees 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

iv. PhD. Aquaculture and Environment

v. PhD. Fisheries Management

vi. PhD. Watershed Management

Candidates must have a degree in any of the following fields: Fisheries Sciences, Natural Resource Management, Environmental Sciences, Agricultural Sciences, Biological and Physical Sciences, or any related discipline. Candidates must include in the application a 1-2 page(s) statement of purpose/motivation outlining career goals and research interests. Candidates must have a good record of academic achievements in a subject or subjects that provide an appropriate academic background and must be highly motivated to work in water and water related environments. 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 (or related fields) studies of at least 60. 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. 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 (One Year)

ii. MPhil. Construction Management

Candidates must have 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 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 (One Year)

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 fit 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. MSc. Project Management (One Year)

vi. MPhil. Project Management

Candidates must have 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 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.

vii. 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 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 workable programme.

viii. 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 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.

3. Department of Planning

- i. MSc. Development Planning and Management (Accra and Kumasi Centres - Weekend)**
- ii. MPhil. Development Planning and Management (Accra and Kumasi Centres - Weekend)**

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)**

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)**

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.

- vii. **MSc. Planning (Accra and Kumasi Centres - Weekend)**
- viii. **MPhil. Planning (Accra and Kumasi Centres - Weekend)**

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 Planning.

Candidates who obtain CWA of 70% or more at the end of the first year may progress as MPhil 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.

Candidates who have completed the one (1) year MSc 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 candidates will 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.

Candidates for the MSc and MPhil Planning programmes must have Bachelor's degree (minimum of Second Class (Lower Division)) in Development Planning, Settlement Planning or any other Planning related degree from reputable institutions. Those whose degrees are not in Planning should NOT apply to the MSc and MPhil Planning 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.

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

Upon admission, all students shall undertake a year's course work which they are expected to pass and obtained 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.

All applicants must pass through 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.

- **Sustainable Transport and Future Urban Spaces Cluster**

This research cluster focuses on promoting and advancing the efficient planning and delivery of transport and land use services within urban environments. 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.

- **Social and Economic Resilience Cluster**

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. 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.

- **Governance, Social Justice, and Inequality Cluster**

This cluster focuses on analysing and promoting effective governance models, processes, and tools to deliver sustainable urban development in line with current global trends (e.g., Sustainable Development Goals; Agenda 2063; Post-disaster recovery). The cluster aims to create an evidence base of practical knowledge for decision making. Areas of research focus include:

Politics and planning; participatory urbanism; fostering partnerships and empowering women; urban safety and security; prevention of urban violence, urban conflict and peace-building; land governance, decentralization; poverty, vulnerability and social inclusion; community participation in urban planning; among others.

- **Climate Transformation and Environmental Sustainability Cluster**

This cluster brings together researchers and practitioners interested in how planning and experience shape contemporary climate transformation responses and environmental sustainability regimes. Our research engages with contemporary dilemmas in environmental and climate planning, around issues of:

Urban greenery; natural resource management; tourism studies; reusing, recycling, regenerating materials, producing and using renewable energies; regenerating the cultural heritage/landscape of cities; waste management; climate change adaptation; natural disasters and climate change; flood management; among others.

Centre for Settlements Studies & Department of Planning

i. MPhil. Urban Management Studies

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) from recognized universities with a minimum of two years work

experience that are in urban related professions. Candidates will also be required to submit a research proposal and when shortlisted for admission would be invited for a selection interview. Preference would be given to Candidates with the following backgrounds: Architecture, Public/Business Administration, Settlement/Development Planning, Civil Engineering, Construction Technology and Management/Quantity Surveying and Construction Economics, Geography, Economics population Studies, Land Economy/Real Estate, Social/Political Science, Sociology/ Psychology, and Development Studies.

4. Department of Land Economy

i. MSc. Real Estate (One Year)

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Real Estate, Planning, Land Economy, Architecture, Business Administration, Civil Engineering, Building Technology, Construction Management, Estate Management, Quantity Surveying, and Construction Economics and Planning 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.

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

Candidates must have 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 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. MA. African Art and Culture

Candidates must have a BA/BFA/BEEd degree (minimum of Second Class (Lower Division) in any Arts discipline or its equivalent from a recognised university. Candidates must pass (at least 60%) in research Methodology at the undergraduate level. Candidates must submit an appropriate topic that is relevant to arts and cultures of indigenous African society and pass a selection interview.

v. MPhil. African Art and Culture

Candidates must have a BA/BFA/BEEd 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.

vi. MSc. Creative Art Therapy

vii. MPhil. Creative Art Therapy

Candidates must have a Bachelors 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.

viii. PhD. Painting

ix. PhD. Sculpture

x. 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.

xi. 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 Bachelor's degree (minimum of Second Class (Upper Division)) in Metalsmithing and/or Jewelry. Admission into the programme will be based on the assessment of the candidates Portfolio.

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. MPhil. Integrated Art

Areas of Specialization:

- Fibres and Fabrics Technology
- Leather Technology
- Clay and Earthenware Technology
- Woodworking Technology
- Metals Fabrication Technology
- Bamboo and Ratan Technology
- Product Design Technology

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Integrated Rural Art and Industry or Bachelor's degree in 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.

viii. 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 submit a research proposal (synopsis) and pass a selection interview. Candidates with Master's degree in Ceramic Art would be required to register some of the Ceramic core courses of the MPhil. Ceramic Technology programme in addition to the PhD taught courses.

ix. 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.

x. 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 Publishing Studies

i. 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.

ii. 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.

iii. 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.

4. 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 any design focused disciplines or its equivalent from an accredited institution. Candidates with three or more years of professional design experience demonstrated by portfolio and testimonials may be considered if the candidate's Master's degree is in a related or complementary field. 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. 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 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

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 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.

ii. MPhil. Mathematics Education

Candidates must have Bachelor's degree with CGPA of 3.0 or CWA of 60 or better in Mathematics Education or any related discipline. Candidates with 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.

iii. 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.

iv. MPhil. ICT Education

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.

v. MPhil. Science Education

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.

SANDWICH PROGRAMMES (TO BE RUN DURING THE LONG VACATION)

i. MEd. Higher Education Pedagogy (HEP)

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 an instructor in a tertiary institution.

ii. Post Graduate Diploma in Education (PGDE)

Candidates with a with a non-education 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. MEd. Educational Planning and Administration (Sandwich)

Candidates must have Bachelor's degree with a CGPA of 2.5 or CWA of 60 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.

iv. MEd. Mathematics Education (Sandwich)

Candidates must have Bachelor's degree in Mathematics Education or any related discipline OR a good Bachelor's degree in Mathematics or any related discipline and has a MEd in Education, PGD in Education or Diploma in Education.

v. MEd. ICT Education (Sandwich)

Candidates must have 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 a MEd in Education, PGD in Education or Diploma in Education.

vi. MEd. Science Education (Sandwich)

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.

vii. MEd. Language Education and Literacy (Sandwich)

Candidates must have 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.

C. COLLEGE OF ENGINEERING

• FACULTY OF CIVIL AND GEO-ENGINEERING

1. Department of Civil Engineering

i. MSc. Geotechnical Engineering (Accra and Kumasi Centres, Weekend)

ii. MPhil. Geotechnical Engineering (Full-Time)

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent in Civil Engineering, Geological Engineering, or any field of specialization 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 and those who have relevant experience, qualification and pass the interview shall be admitted.

iii. MSc. Structural Engineering (Accra and Kumasi Centres, Weekend)

iv. MPhil. Structural Engineering (Full-Time)

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent in Civil Engineering, from a recognized University. Admission may be offered to candidates with Second Class (Lower Division) provided they have considerable relevant professional experience. Candidates who do not satisfy the above requirements but is otherwise adjudged suitable by the Departmental Board shall, where applicable be interviewed for admission. Candidates who have a Postgraduate Diploma with substantial professional experience may be considered for admission. Candidates shall be interviewed and those who have relevant experience, qualification and pass the interview will be admitted.

v. PhD. Geotechnical Engineering

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

vi. PhD. Structural Engineering

Candidates must have a Master's degree in Structural Engineering and other relevant disciplines, with a cumulative weighted average of at least 60. Candidates with some publications in a journal as first author have an advantage. Candidates must provide evidence of current and previous employments. Candidates shall be interviewed and those who have relevant experience, qualification and pass the interview will be admitted.

REGIONAL WATER AND ENVIRONMENTAL SANITATION CENTRE KUMASI (RWESCK)

*All candidates to be admitted in the 2022/2023 academic year to pursue MSc./MPhil./PhD. degree programmes under RWESCK will be **FEE PAYING** without funding from RWESCK. Applicants are encouraged to visit RWESCK websites and social media platforms for available research grants.*

vii. MSc. Water Resources Engineering and Management (Accra and Kumasi Centres, Weekend)

viii. 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, Geological Engineering and other programmes relevant to water resources, or any field of specialisation relevant to the water resources industry from a recognized University. Candidates with other qualifications shall be interviewed and if necessary, may be required to take a written examination before admission.

Candidates shall be interviewed and those who have good motivational statement, relevant experience and who pass the interview will be admitted.

ix. MSc. Disaster Prevention and Management (Accra and Kumasi Centres, Weekend)

x. MSc. Environmental Sanitation and Waste Management (Accra and Kumasi Centres, Weekend)

xi. MSc. Water Supply Engineering and Management (Accra and Kumasi Centres, Weekend)

xii. MPhil. Water Supply and Environmental Sanitation (Full-Time)

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) or its equivalent from a recognised University in Civil or Chemical Engineering, Chemistry or any field of specialisation relevant to the water and sanitation industry. Candidates with other qualifications shall be interviewed and if necessary, may be required to take a written examination before admission. Candidates shall be interviewed and those who have good motivational statement, relevant experience and who pass the interview will be admitted.

xiii. PhD. Environmental Sanitation and Waste Management

Candidates must have a good Master's degree in Water and Sanitation, Civil Engineering (sanitary option), Environmental Engineering, Environmental science/management, Chemical Engineering, chemistry and other relevant physical science disciplines, with a cumulative weighted average of at least 60. Candidates shall be interviewed and those who have good motivational statement, relevant experience and pass the selection interview will be admitted. Candidates must submit a research proposal on the following research themes and prepare for presentation at the selection interview:

- **Waste management:** *Innovative technology and solid waste management using Artificial Intelligence and data analytics, waste processing technology to enhance industrial symbiosis and eco-efficiency in circular economy, low-cost on-site sanitation technologies.*
- **Waste treatment:** *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 artisanal gold mine sites.

xiv. PhD. Water Resources Engineering and Management

Candidates must have a good Master's degree in Water Resources, Environmental Engineering, Agricultural Engineering (Soil and Water Engineering option), Hydrology, Hydrogeology, Natural Resources, Mathematics, or any other relevant discipline from a recognised institution, with a cumulative weighted average of at least 60. Candidates shall be interviewed and those who have good motivational statement, relevant experience 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: *Computational flow dynamics (CFD), digital real-time systems, artificial intelligence and data analytics, tools and innovative technologies, GIS, remote sensing, web-based application and water isotope for;*

- **Waste management:** *flood management, hydrological modelling, and urban water cycle management, irrigation water management,*
- **Groundwater and hydrogeology:** *managed-aquifer recharge, groundwater recharge modelling, optimising soil moisture dynamics,*
- **Climate resilience systems:** *climate resilience water resources management.*

xv. PhD. Water Supply and Treatment Technology

Candidates must have a good 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 minimum CWA of 60. Candidates will be interviewed and those who have good motivational statement, relevant experience 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:

- **Water treatment:** *Removal of groundwater contaminants using innovative nanomaterials, membrane modules and adsorbents (metal-oxide coated media and zeolites) in drinking water treatment,*

- **Water Supply Management:** *Optimising water supply systems management with Artificial Intelligence applications and SMART water instrumentation, and the application of tools and robotics technology for water distribution leakage reduction, and non-revenue water management.*

AFRICA CENTRE OF EXCELLENCE (ACE) - REGIONAL TRANSPORT RESEARCH AND EDUCATION CENTRE KUMASI (TRECK)

xvi. PhD. Highway and Transportation Engineering

Candidates must have a good Master's degree in Road and Transport Engineering, Transport Planning, Transport Systems, Civil Engineering (Transportation and Highway option), or other related disciplines with a cumulative weighted average of at least 60. Applicants should submit a research proposal on any of the following priority interdisciplinary research themes and prepare for 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, Transport Economics.*
- **Resilient and Inclusive Transport Infrastructure:** *Smart Infrastructure, Innovative Materials in Pavement Engineering, Road Asset Management Systems, IoT Application in Transport Asset Management*
- **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. Intermodality and Freight Transport Operations, Freight Transport Modelling, Technology and Big Data on Freight Transport and Logistics, Urban Goods Movement, Transportation System, Freight Transportation Externalities.*

2. Department of Geomatic Engineering

- MSc. Geomatic Engineering**
- 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 Geological Engineering

i. MSc. Geophysical Engineering

Candidates must have 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.

ii. MPhil. Geological Engineering

Candidates must have 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.

iii. 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.

• 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.

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.

2. Department of Computer Engineering

i. MPhil. Computer Engineering

Candidates must have 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.

3. Department of Telecommunication Engineering

i. MPhil. Telecommunication Engineering

Candidates must have 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 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 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.

- 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 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 Sciences. Candidates with Second Class (Lower Division) would be interviewed before admission. Candidates must also have some industrial experience.

ii. MPhil. Materials Engineering

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) or its 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 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 the undergraduate Materials Engineering.

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.

D. COLLEGE OF HEALTH SCIENCES

• FACULTY OF PHARMACY AND PHARMACEUTICAL SCIENCES

1. Department of Pharmaceutics

i. MSc. Pharmaceutical Technology

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. Short-listed candidates must pass a selection interview.

ii. MPhil. 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 or other related disciplines from a recognised institution. Short-listed candidates must pass a selection interview.

iii. MPhil. 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. 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, 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; eg. 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 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.

- 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.

- iii. PhD. Clinical Pharmacy**

Candidates must have an MSc/MPhil degree in Clinical Pharmacy from a recognised Institution.

iv. PhD. Social Pharmacy

Candidates must have an MSc/MPhil degree in Pharmacy, Public Health, Psychology, or related disciplines from a recognised Institution.

5. Department of Pharmacology

- i. MPhil Pharmacology**

- ii. MPhil Clinical Pharmacology**

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

- iii. PhD Pharmacology**

- iv. PhD Clinical Pharmacology**

Candidates must have an MPhil degree in Pharmacology, Clinical Pharmacology or Toxicology. 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 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 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.

ii. MPhil. Medical Imaging

Candidates must 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.

iii. PhD. Haematology

Candidates should 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 one year work experience. Candidate must attend and pass a selection interview.

2. Department of Clinical Microbiology

i. MPhil. Clinical Microbiology

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) or its equivalent in Life Sciences, Medical Laboratory Technology, Biomedical Sciences, Biology or Biochemistry.

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.

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.

iv. MPhil. Mortuary Science and Management

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Biological Sciences, Biomedical Science, Anatomy and Cell Biology, Medical Laboratory Technology, Nursing, Herbal Medicine, Biochemistry, Allied Health Sciences, Chemistry or related disciplines from a recognised University. 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.

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, Biological Sciences, Biomedical Science, Medical Laboratory Technology from a recognised University. 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 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.

- **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.

- vii. PhD. Veterinary Anatomy**

Candidates must have an MPhil. Comparative Anatomy and MVSc 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. 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, Sports and Exercise Science, Architecture, Policy Planning, or Social Sciences. Candidates must pass 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.

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)**
- ii. MPH. Health Services Planning and Management (One Year - 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)**

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. 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 selection interview.

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. 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 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.

E. COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

• FACULTY OF LAW

i. Master of Laws (LLM)

Candidates must have 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 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. Health Economics (One Year)

iii. MSc. Economics and Finance (One Year)

iv. MSc. Business Economics (One Year)

v. MSc. Energy and Resource Economics (One Year)

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in the Economics (with Finance, Mathematics, Statistics, Geography, Law, Sociology, Political Science and History), Business Administration, Mathematics, Statistics, Engineering, Physics, Actuarial Science, Environmental Science, Land Economy, Natural Resources Management, Geography, Geography and Resource Development, Geography and Rural Development, Geography and Regional Planning, Development Studies and related disciplines. Admission is subject to passing an entrance examination.

vi. MPhil. Economics

Candidates must have Bachelor's degree (minimum of Second Class (Upper Division)) in Economics. Candidates must have done Econometrics, Advanced Economic Theory and Mathematics for Economists at the undergraduate level in a recognised tertiary institution. Admission is subject to passing a selection interview.

vii. 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.

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 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 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 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 (One Year)

ii. MPhil. Sociology

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Sociology or Social Work from a recognised University. A Postgraduate Diploma in the Humanities from an Accredited University with at least two years work experience. Any relevant Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited University with at least two years Social Development experience. All candidates must pass a selection interview.

iii. MA. Social Work (One Year)

iv. MPhil. Social Work

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Social Work or any Social Science discipline with at least one-year Social Development experience, or any relevant Bachelor's degree, with at least a Second Class (Lower Division), from an accredited University with at least two years social development experience.

v. PhD. Sociology

Candidates must have an MPhil degree in Sociology. Other candidates with second degree in relevant field other than Sociology and have a strong research background may be admitted. Such applicants will take the first year courses in MPhil. Sociology programme and must attain a CWA of 70 or above before pursuing the PhD programme. In addition, 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 offered admission. 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.

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*
- ii. *Finance*
- 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 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 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 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. MPhil. Management and Human Resource Strategy

4. MPhil. Logistics and Supply Chain Management

5. MPhil. Procurement and Supply Chain Management

6. MPhil. Business and Management

Areas of Specialisation:

- i. *Accounting*
- ii. *Finance*
- iii. *Marketing*
- iv. *Strategic Management and Consulting*
- v. *Human Resource Management*
- vi. *Management and Organisational Development*
- vii. *Logistics and Supply Chain Management*
- viii. *Management Information Systems (MIS)*

Candidates shall hold 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 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 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, Herbal Medicine, Medical Laboratory Technology, Biological Sciences, Molecular Biology, Microbiology, Agricultural Science, Horticultural Science, Forestry, Animal Science, Veterinary Medicine, Chemical Engineering, Renewable Natural Resources, and other related disciplines. MPhil candidates will be required to pass a selection interview.

iii. MPhil. Biochemistry

Candidates must have 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, Food Science, Nutrition, Herbal Medicine, Medical Laboratory Technology, Biological Sciences, Molecular Biology, Microbiology, Agricultural Science, and other related disciplines. Candidates will be required to pass a selection interview.

iv. MSc. Biodata Analytics and Computational Genomics

v. MPhil. Biodata Analytics and Computational Genomics

Candidates must have 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. MPhil. Human Nutrition and Dietetics

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited institution of higher learning in any of the following fields: Biochemistry, Food Science, Animal Science, Nutrition, Nursing, Biological Sciences, Medicine, Pharmacy, and Dietetics. Candidates will be required to pass a selection interview.

vii. PhD. Biotechnology

viii. 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, Herbal Medicine, Medical Laboratory Technology, Biological Sciences, Molecular Biology, Microbiology, Agricultural Science, Horticultural Science, Forestry, Animal Science, and other related disciplines. Candidates will be required to submit a research proposal and pass a selection interview.

ix. 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.

x. 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.

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 and related science or technology disciplines 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 candidate shall be assessed through a selection interview.

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 degree 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 candidate shall be assessed through a selection interview or an entry examination.

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, or Food Science. Candidates with Bachelor's degree in

any closely related field may apply, such candidates shall be required to satisfy prerequisite courses.

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.

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

ii. PhD. Environmental Science

Candidates must have an MPhil degree 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.

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 Bachelor's degree (minimum of Second Class (Lower Division)) or its equivalent from a recognised institution in Biological Sciences, Environmental Sciences, Botany, Zoology, Natural Resources, Agriculture, Biochemistry or Chemistry.

viii. PhD. Parasitology

ix. PhD. Ecology

x. PhD. Entomology

xi. PhD. Plant Physiology

xii. PhD. Microbiology

xiii. PhD. Plant Pathology

xiv. 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.

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 Vision Science, Optometry, Ophthalmology, Biology, Human Biology, Biochemistry, Pharmacy, or Physics. 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, Molecular Biology, Mathematics, Physics, Human Biology, Medicine, Chemistry, Ophthalmology, Biological Sciences, Biomedical Sciences, Microbiology, Computer Engineering, or Computer Science. Candidates shall be required to pass a selection interview.

• 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 Bachelor's degrees in Chemistry, Chemical Engineering, Materials Science/Engineering and related science disciplines with a minimum of Second Class (Lower Division).

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).

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

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.

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.

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.

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.

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.

vi. MPhil. Mathematical and Computational Physics

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Physics, Meteorology and Climate Science, Engineering, Chemistry, or Mathematics from a recognised university.

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.

viii. PhD. Environmental Physics

Candidates must have an MPhil degree in Physics, Meteorology and Climate Science, Mathematics, or Chemistry from a recognised university.

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.

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.

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.

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.

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.

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.

4. Department of Mathematics

i. MPhil. Pure Mathematics

ii. MPhil. Applied Mathematics

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Mathematics, Statistics/Actuarial Science, Computer Science, Physics, Chemistry, or any of the Engineering disciplines from a recognised university. Depending on the degree sought, candidates should have adequate knowledge of analysis, algebra, topology, differential equations, numerical analysis, quantum mechanics, special relativity, and scientific computing. Candidates shall be required to pass a selection.

iii. PhD. Pure Mathematics

iv. PhD. Applied Mathematics

Candidates must have an MPhil degree in Pure/Applied Mathematics, Scientific Computing and Industrial Modelling, Computer Science or related with minimum of 60 CWA. Candidates must submit a research proposal (about 6-8 pages, double spacing). Candidates shall be required to pass a selection interview.

5. Department of Statistics and Actuarial Science

i. MPhil. Actuarial Science

ii. MPhil. Mathematical Statistics

Candidates must have Bachelor's degree (minimum of Second Class (Lower Division)) in Mathematics, Statistics, or Actuarial Science.

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 Bachelor's degree (minimum of Second Class (Lower Division)) from an accredited university preferably in Physical Sciences or Engineering disciplines.

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 weak background in any course, especially in programming, may be required to take extra courses as may be deemed necessary.

vii. PhD. Computer Science

Candidates must have a master's degree (MSc/MPhil) from an accredited university in either Computer Science, Computer Engineering, Telecommunication Engineering, Software Engineering, Computer Network/Networks, Artificial Intelligence, Computer Science with Mathematics, Computer Technology, Computer Security, Computer Forensics or Computer Gaming.

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 of 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**

Applicants to 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

Areas of specialisation:

- i. Finance*
- ii. Marketing*
- iii. Human Resource Management*
- iv. Logistics and Supply Chain Management*
- v. 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. MPhil/MSc. Educational Innovations and Leadership Science

13. Master of Education

14. MSc. Project Management (Accra and Takoradi Centres Only)

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
- 23. MSc. Development Finance
- 24. MSc. Management and Human Resource Strategy
- 25. MSc. Marketing
- 26. MSc. Economics (*Accra Centre Only*)

Options:

- *General*
- *Money, Banking and Finance*
- *Energy and Resource Economics*
- *Health Economics and Policy*

Applicants to the above programmes (7-26) must possess a good Bachelor's degree in **any discipline** from a recognised University; or a Professional qualification (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)

Candidates must have 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. MPhil/ MSc. Logistics and Supply Chain Management

Candidates must have a good Bachelor's degree from a recognised University in Logistics and Supply Chain Management related discipline; OR a good Bachelor's 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

Candidates must have a good Bachelor's degree from a recognised University in Supply Chain Management; OR A good Bachelor's degree in **any discipline** with relevant practical experience in Procurement; OR candidates who are chartered members of CIPS with two years' work experience.

30. MSc. Geography and Sustainable Development

Candidates must have 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

Candidates must have a good Bachelor's degree from a recognised University in Accounting or Finance; OR a good Bachelor's degree with option in Accounting e.g. BSc Mathematics with Accounting; OR any other good Bachelor's degree with Part II qualification from recognised professional accounting bodies such as: ICAG, ACCA, CIMA, etc.

32. MSc. Actuarial Science

Candidates must have a good Bachelor's 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

Candidates must have a good Bachelor's 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

Candidates must have a good Bachelor's 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

Candidates must have a good Bachelor's degree from a recognised University in Agribusiness Management, Business Administration, Agriculture and **relevant subject areas**.

36. MSc. Mechanical Engineering

Candidates must have a good Bachelor's degree in Mechanical Engineering or an allied discipline from a recognised University.

37. MSc. Cyber Security and Digital Forensics

Candidates must have a good Bachelor's degree from a recognised University in Computer Science, Information Technology, Computer Engineering, Telecommunication, Information Systems, Mathematics, Physics, Business Information Technology, Electrical Engineering and other related Science or Engineering background. Candidates with professional qualification and experience in the relevant area may be considered. Candidates in addition may be required to go through background security check with the relevant state agency.

38. MSc. Environmental Resource Management

Candidates must have a good Bachelor's 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

Candidates must have 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 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. MEng. Oil and Gas with Management (Mid and Downstream)

Candidates must have a BSc. or B-Tech. degree in Chemical Process and other Engineering disciplines from a recognised University and a minimum of two years work experience.

41. MEng. Industrial Operations with Management

Candidates must have a BSc. or B-Tech. in Engineering disciplines from a recognised university and a minimum of two years work experience.

42. MEng. Energy Systems Engineering with Management

Candidates must have a BSc. or B-Tech. degree in Mechanical Engineering or Energy related Engineering disciplines from a recognised university and a minimum of two years work experience.

NB: The Master of Engineering (MEng.) programmes are MODULAR and the modules will be run during weekends. The programme will cover two (2) academic years

PLEASE NOTE:

- 1. All Distance Learning Applicants must ensure that they select DISTANCE LEARNING admission group and not Regular Postgraduate Ghanaian when starting the online application.**
- Only results and or documents provided by applicants at the time of submission of their applications shall be considered.
- 3. Programmes would only be mounted at Centres with the requisite minimum number of qualified applicants** (please contact IDL Offices for details).
- Facilitation will be a **blend of online and face-to-face sessions** on weekends (Saturdays and Sundays) at the Centres mentioned below.
- For more information and in-depth knowledge about the programmes, visit <https://idl.knust.edu.gh/> or call 0247274661 or 0500482885 or 0501102650.

INSTITUTE OF DISTANCE LEARNING CENTRES

- 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 0246556921
- **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 0500482883
- **KOFORIDUA** – Ghana Highway Authority; contact/WhatsApp Mr. Isaac Agyapong 0500482874
- **TAMALE** – KNUST IDL Centre, Kapohini (near SSNIT Regional Headquarters); contact/WhatsApp Mr. Mukasa Zoogah 0500482880, 0208288666
- **BOLGATANGA** – Bolgatanga Senior High School (Big BOSS); contact/WhatsApp Mr. Mukasa Zoogah 0500482880, 0208288666
- **WA** – Wa Technical University; contact/WhatsApp Mr. Dominic Wanaa 0208816276