

**KWAME NKRUMAH UNIVERSITY OF SCIENCE AND
TECHNOLOGY, KUMASI
SCHOOL OF GRADUATE STUDIES**

**ADMISSION OF CANDIDATES TO RESEARCH OR
HIGHER DEGREE PROGRAMMES FOR 2016/2017
ACADEMIC YEAR**

Applications are invited from suitably qualified candidates for admission to research and higher degree programmes (MSc/MFA/MA/MBA/EMBA/MPH/MPHARM/MPHIL/PhD)

GENERAL ADMISSION REQUIREMENTS

i. Masters Programmes

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

ii. PhD Programmes

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

DURATION OF PROGRAMME

Unless otherwise stated,

- a. Masters Programmes (Full-Time) are of Two (2) Calendar Years and (Part-Time) Three (3) Calendar Years duration.
- b. PhD Programmes (Full-Time) are of Four (4) Calendar Years and (Part-Time) are of Five (5) Calendar Years duration.

MODE OF APPLICATION

Sale of **E-Vouchers/Forms** for admission shall commence on **22nd February, 2016.**

- i. First of all, candidates must purchase an **eVoucher** by paying an application fee of **Two Hundred and Twenty Ghana Cedis (GH¢220.00)** at the following banks: **GCB, Ecobank and Unibank.**
- ii. Upon payment of the application fee, candidates will receive an **eVoucher** containing an application number and **PIN** that will grant access to the online admissions portal.
- iii. Candidates should then proceed to online admissions website: <https://admissions.knust.edu.gh/pgadmissionnew/> and begin the application process.
- iv. Once the process has been completed, candidates must print out 3 copies of the completed application form from the portal and submit them (**by post**) to the School of Graduate Studies along with all relevant documents (Photocopies of Certificates, Recommendation Letters, and (Transcript for those attending KNUST for the first time)) to the following address:

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

Deadline for the submission of application forms is 30th April, 2016.

Application forms submitted after the deadline will not be processed.

NB: All International Applicants must apply online. International applicants who are admitted will be required to pay an application fee of USD 200.00 before registration.

A. COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

FACULTY OF AGRICULTURE

1. Department of Animal Science

MPhil Programmes

Animal Breeding and Genetics; Reproductive Physiology; Animal Nutrition; and Meat Science.

PhD Programmes

Animal Nutrition; Reproductive Physiology; Animal Breeding and Genetics; and Meat Science.

Master of Philosophy (MPhil)

Admission Requirements

A good Bachelor's degree (1st Class or 2nd Class Upper) in Agriculture or related disciplines from KNUST or any recognized University. Candidates with 2nd Class Lower Division are required to pass an interview.

Doctor of Philosophy (PhD)

Admission Requirements

Candidates applying for Doctor of Philosophy degree must have a Master's degree or its equivalent in Agriculture or related disciplines from KNUST or any recognised University and shall submit evidence of adequate training and ability to undertake the proposed programme.

2. Department of Crop and Soil Sciences

Admission Requirements

A bachelor's degree in Agriculture or related discipline from a recognized university is required for MPhil degree in the Department. Preference is given to applicants with First Class or Second Class (Upper Division) degrees.

Applicants seeking admission to PhD programmes should normally have either MSc or MPhil degree in the relevant discipline. In addition, all applicants will have to pass an interview.

Agronomy Programmes

MPhil Agronomy

MPhil Agronomy (Crop Physiology)

MPhil Agronomy (Plant Breeding)

MPhil Agronomy (Weed Science)

MPhil Agronomy (Forage Production Management)

Crop Protection Programmes

MPhil Crop Protection (Plant Pathology)

MPhil Crop Protection (Plant Virology)

MPhil Crop Protection (Entomology)

MPhil Crop Protection (Nematology)

Soil Science Programme

MPhil Soil Science

PhD Programmes

PhD Agronomy

PhD Plant Breeding

PhD Nematology

PhD Entomology

PhD Plant Virology

PhD Plant Pathology

PhD Crop Physiology
PhD Soil Science
PhD Forage Production and Management
PhD Soil Management and Conservation
PhD Soil Fertility/Plant Nutrition

3. Department of Horticulture

MPhil Seed Science and Technology
MPhil Postharvest Technology
MPhil Vegetable Crops Production
MPhil Fruit Crops Production
PhD Landscape Horticulture
PhD Postharvest Physiology
PhD Postharvest Technology
PhD Vegetable Crops Production
PhD Seed Science and Technology
PhD Vegetable Crops Production
PhD Fruit Crops

Admission Requirements

MPhil - A good Bachelor's degree (First Class or Second Class Upper Division) in Agriculture or related disciplines from KNUST or any recognized University.

Candidates with Second Class Lower Division are required to pass an interview.

Doctor of Philosophy (PhD) - Candidates applying for Doctor of Philosophy degree 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 KNUST or any recognized 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

4. Department of Agricultural Economics, Agribusiness and Extension

MSc Agribusiness Management
MPhil Agribusiness Management
MPhil Agricultural Economics
MPhil Agricultural Extension
MPhil Sustainable and Integrated Rural Development
PhD Agricultural Economics
PhD Agricultural Extension
PhD Agribusiness Management

Admission Requirements

MSc/MPhil Agribusiness Management- The programme accepts first degree holders with a minimum of Second Class (Lower division) in Agribusiness Management, Business Administration, Agriculture or relevant subject areas from an approved University or Institution of higher learning. Candidates must pass a selection interview to be conducted by the Department and MSc candidates must in addition, demonstrate their ability to pay required fees.

MPhil Agricultural Economics: Applicants for the MPhil degree programme in Agricultural Economics must have a Bachelor of Science (B.Sc.) or Bachelor of Arts (BA) Second Class honours (Lower division) or its equivalent in Agriculture, Agricultural Economics or other related disciplines from a recognized University or Institute of higher learning.

MPhil Agricultural Extension - A minimum of Second Class (Lower division) in Agriculture or relevant subject areas from an approved University or Institution of Higher learning.

MPhil Sustainable and Integrated Rural Development
Candidates for SIRD must possess good first degrees (1st Class, 2nd Class Upper or their equivalent) in sustainable and rural development, natural resources management, environmental management, agriculture, planning, land economy, law health, business, social and natural sciences from recognized Institutions. Candidates must pass a selection interview to be conducted by the Department and demonstrate their ability to pay required fees.

PhD Agribusiness Management: The programme will admit MPhil degree holders in Agribusiness Management from approved Universities or Institutions of Higher learning. Other MSc/MPhil or equivalent degree holders in relevant subject from an approved University or Institution of Higher learning may be required to take relevant courses from the MSc/MPhil Agribusiness programme as prescribed by the Departmental Board.

PhD Agricultural Economics: Candidates applying for Doctor of Philosophy degree must have a Masters degree in Agricultural Economics or its equivalent from recognized Universities or Institutions of Higher learning. Candidates may be required to take relevant courses at the MPhil level as prescribed by the Departmental Board.

PhD Agricultural Extension: MSc/MPhil degree in Agriculture or relevant subject areas from recognized Universities or Institutions of Higher learning is required. Candidates must pass a selection interview to be conducted by

the Department and demonstrate their ability to pay required fees.

FACULTY OF RENEWABLE NATURAL RESOURCES

1. Department of Wildlife and Range Management **PhD - Wildlife and Range Management**

The PhD programme is open to holders of Masters Degree in Wildlife and Range Management, Forest Natural Resources Management and other related disciplines. In addition, candidates will be required to pass an interview before admission.

MPhil Wildlife and Range Management **Admission Requirements**

The MPhil programme is open to holders of First Class or Second Class (Upper Division) degrees in Wildlife and Range Management, Forestry and Natural Resources Management. Other related disciplines with relevant field experience may also be considered for admission. In addition, candidates will be required to pass an interview before admission.

MSc Gisnaturem (Natural Resources Management) **Admission Requirements**

Applicants should have a Bachelor of Science degree (minimum Second Class Division) or equivalent from an accredited University in a discipline related to the course, preferably combined with working experience in a related field.

Candidates applying for admission from both institutions (KNUST and UT).

Candidates meeting the above requirements are certified as acceptable by both institutions before enrolling on the programme.

Candidates will attend and pass an interview session with a panel from KNUST before being granted admission.

2. Department of Silviculture and Forest Management

MPhil Natural Resource & Environmental Governance

Duration: 2 Years

Admission Requirements

A bachelor degree (1st Class or 2nd Class Upper Division) in Natural Resource Management, Environmental Management, Agriculture, Engineering, Planning, Land Economy, Law, Business, Social or Natural Sciences. Applicants with 2nd Class Lower and some work experience may be admitted after an interview.

MPhil Silviculture and Forest Management

Duration: 2 Years

Admission Requirements

A bachelor degree (First Class or Second Class Upper Division) in Natural Resource Management, Agriculture or Natural Sciences.

PhD Silviculture and Forest Management

Duration: 4 Years

Admission Requirements

A holder of a minimum of Second Class Upper Division in their first degree, plus a good master's degree in Natural Resource Management, Environmental Management, Agriculture, Land Economy, Law, Business, Social or Natural Sciences. Applicants with 2nd Class Lower Division and a good Master's degree in addition to some work experience may be admitted after an interview. For Part-Time students the duration is Five Years.

3. Department of Agroforestry

MPhil/PhD – Agroforestry

Admission Requirements

MPhil - A good first degree in Natural Resources Management, Agriculture, Natural Sciences or related areas.

PhD - MSc/MPhil in Natural Resources Management, Agriculture, Natural Sciences or related areas

4. Department of Wood Science and Technology

Management

- a. MPhil - Wood Science
- b. MPhil - Wood Technology
- c. MPhil – Furniture Design and Production

Admission Requirements

First Class or Good Second Class Degree in the Sciences, Natural Resources, Wood Science/Technology and Engineering.

PhD Timber Engineering

Admission Requirements

MSc/MPhil Civil Engineering or Wood Technology

PhD Furniture Design and Production

Admission Requirements

MSc/MPhil (Wood Science, Wood Technology, Furniture Design and Production Option), MSc/MPhil (Wood Science and Management)

PhD Wood Technology

Admission Requirements

MSc/MPhil (Wood Science and Management) and any related MSc./MPhil in Science or Engineering

5. Department of Fisheries and Watershed Management

MPhil/PhD Aquaculture

MPhil/PhD Aquaculture and Environment

MPhil/PhD Aquatic Resources Management

MPhil/PhD Fisheries Science and Management
MPhil/PhD Watershed Management

Admission Requirements

Bachelor of Science degree with a First Class or Second Class Upper Division. Candidates with Second Class Lower Division may be considered after an interview or must demonstrate considerable experience in research in the relevant field. Preferred disciplines are in Fisheries, Aquaculture, Biological Sciences or relevant aspects of Agriculture.

B. COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

FACULTY OF SOCIAL SCIENCES

1. Department of Economics

a. MSc Economics - A One (1) Year Programme

MSc Economics (Money, Banking and Finance Option)

MSc Economics (Energy and Resource Economics Option)

Admission Requirements

- i) A good first degree, at least Second Class (Lower Division) in the following disciplines; BA/BSc Economics, (with Finance, Mathematics, Statistics, Geography, Law, Sociology, Political Science and History); Bachelor of Business Administration, BSc Mathematics / Statistics / Engineering / Physics / Actuarial Science/ Environmental Science / Land Economy / Natural Resource Management; BA/BSc Geography / Geography and Resource Development / Geography and Rural Development / Geography and Regional Planning; BA/BSc Development Studies and related disciplines.

- ii) Applicants without Bachelor's degree must have a Master's degree from a recognized tertiary institution in any of the disciplines listed in (i) above.

b. MPhil Economics - A Two (2) Year Programme

Admission Requirements

A good first degree in Economics at least Second Class (Upper Division). Candidates must have done Econometrics, Advanced Economic Theory and Mathematics for Economists at the undergraduate level in a recognized tertiary institution. A thesis proposal is NOT required. Admission is subject to passing an interview.

2. Department of Modern Languages

MPhil French

Admission Requirements

Candidates must hold a good First degree in French (Second Class Lower Division or better 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 interview.

PhD French

Admission Requirements

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

3. Department of English

MPhil English (Literature)

Admission Requirements

An applicant seeking admission into the Master of Philosophy (MPhil) in English should possess a good Bachelor's degree in

English, or in a related discipline(s) or in a professional qualification approved by the Academic Board as being Equivalent to a good bachelor's degree. In addition, candidates will be required to pass a selection interview.

PhD (Literature)

Admission Requirements

A candidate must have a research MPhil degree in English.

4. Department of Geography and Rural Development

MPhil Geography and Rural Development

Admission Requirements

A good first degree in Geography, Development Studies, Natural Sciences or other Geography related disciplines. A First Class or Second Class (Upper Division) is preferred. Candidates shall be selected at a selection interview. A synopsis of proposed thesis is a requirement.

PhD

Admission Requirements

Master's Degree in Geography, Development Studies or other Geography related disciplines. Candidates shall be selected at a selection interview. Oral presentation of thesis proposal is a requirement.

5. Department of Religious Studies

MA/MPhil

MA (One Year) – A candidate must have obtained a good first degree (Second Class Lower Division or better) in either Religious Studies or Theology from a recognised University or accredited Theological Seminary/Institution.

MPhil (Two Years) – A candidate must have obtained a good first degree (Second Class Upper Division or better) in either

Religious Studies or Theology from a recognised University or accredited Theological Seminary/Institution.

For the MA and MPhil programmes a candidate with the Social Sciences or Humanities background must in addition at least have a Diploma in Theology/Religious Studies from a recognised/accredited Institution or Seminary. Admission is subject to passing an entrance examination and interview.

PhD

Admission Requirements

- a) Candidates for the PhD programme must have a second degree in Religious Studies or Theology with extensive research from a recognised University or Theological Institution.
- b) A candidate with MPhil in Social Sciences or Humanities background should at least have a B/A degree in Theology or Religious Studies with Second Class Upper Division
- c) All candidates will go through a selection interview for purposes of suitability.

6. Department of Sociology and Social Work

MA/MPhil Sociology

Admission Requirements

- a) A good first degree in Sociology or Social Work at least Second Class (Lower Division) or better from a recognised University.
- b) A Postgraduate Diploma in Humanities from an accredited University with at least two years working experience.
- c) For the purposes of assessing applicants' suitability, all applicants must pass a selection interview.

- d) All applicants are admitted into an MA programme. Graduation into MPhil degree would be based on performance to be determined by the Department.

7. Department of History and Political Studies

MPhil - Political Science

The Master of Philosophy in Political Science programme is an advanced two-year (full-time) postgraduate degree. The overarching goal is to train students to become researchers and political analysts. As regards the curriculum and required skills, the programme also prepares students for further training in political science research at the PhD level.

Applicants must have a Bachelor of Arts or Science degree with Second Class Lower or better in Political Science, Political Studies, History, Law or Sociology. Other disciplinary backgrounds will be considered. Holders of Second Class Lower degrees may be considered if they have at least two years' work experience in a professional supervisory position. International applicants must, in general, meet the requirements above and also demonstrate proficiency in English as the medium of classroom instruction. All applications must include transcripts of all post-secondary level education received as well as three letters of recommendation from individuals in professional capacities who are familiar with the applicant's potential for graduate study. The final requirement for admission is an entry examination and a departmental interview to determine applicants' likelihood of academic success.

Master of Public Administration (MPA)

The Master of Public Administration programme is a two-year (full-time) postgraduate degree. The overarching goal is to train students to become public administrators and policy analysts.

Applicants must have a Bachelor of Arts or Science degree with Second Class Lower or better. All disciplinary backgrounds will be considered. International applicants must, in general, meet the requirements above and also demonstrate proficiency in English as the medium of classroom instruction. All applications must include transcripts of all post-secondary level education received as well as three letters of recommendation from individuals in professional capacities who are familiar with the applicant's potential for graduate study. The final requirement for admission is an entry examination and a departmental interview to determine applicants' likelihood of academic success.

8. SCHOOL OF BUSINESS

i. MBA Programme – 2 Years Duration

- Accounting
- Finance
- Marketing
- Strategic Management and Consulting
- Human Resource Management
- Management and Organizational Development
- Logistics and Supply Chain Management
- Management Information Systems (MIS)
- International Business

ii. MPhil in Business Administration (all areas of specialization) - 2 Years Duration

iii. MSc Programme - 12 Months Duration

- MSc Marketing
- MSc Logistics and Supply Chain Management
- MSc Management and Human Resource Strategy
- MSc Accounting

- MSc Finance
- MSc Industrial Management
- MSc Entrepreneurial Finance
- MSc Project Management

iv. **Doctor of Business Administration (DBA) – all areas of specialization**

v. **PhD Programme**

- PhD in Organizational Leadership
- PhD in Business and Management (**all areas of concentration/specialization**)

Admission Requirements for Master of Business Administration (MBA)

- Candidates for MBA and the Executive MBA must possess a good first degree (minimum of Second Class Lower Division) or equivalent professional qualifications from a recognised institution in any relevant area.
- Applicants must in addition have a thorough proficiency in written English. Candidates must pass a selection interview to be conducted by the School. An entrance examination may be required when necessary.

Msc Programme

Entry Requirements

- MSc. applicants must possess good first degrees in a relevant discipline with at least Second Class (Lower Division) or its equivalent.
- Applicants must in addition have a thorough proficiency in written and spoken English.

Admission into MPhil Programme

General requirements for all applicants

The minimum requirements for entry into the research degree study shall be in accordance with the requirement specified and stated on the KNUST website or printed handbook as well as in the Statute and Regulations for research degrees of KNUST.

- All candidates must possess an Honours Degree with a minimum of Second Class Lower Division from a recognized 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.

Specific Requirements

Specific requirements for admission to the MPhil programme in Business and Management at KSB are as follows:

• **MPhil Admission**

There shall be two routes to admission to the MPhil programmes.

- A candidate shall hold Master's degree in relevant subject areas (e.g., MSc/MA/MBA in Business Administration) from a recognized University or institution of higher learning.
- For applicants without Master's degree qualification in relevant Business Administration subject areas:
 - shall possess a good first degree (minimum of Second Class Lower Division) in any subject area.
 - at the end of the first year must have a minimum CWA of 65% to proceed to MPhil in the second year, else the candidate would be terminating with either Master of Business Administration (MBA) or Master of Science (MSc) in Business Administration.

ADIMSSION INTO THE PhD PROGRAMME

General requirements for all applicants

The minimum requirements for entry into the research degree study shall be in accordance with the requirement specified and stated on the KNUST web site or printed handbook as well as in the Statute and Regulations for research degrees of KNUST.

- All candidates must possess an Honours Degree with a minimum of Second Class Lower Division from a recognized University or institution of higher learning.
- All candidates must attend and pass interview sessions conducted for the programme being applied for.
- All candidates must demonstrate their ability to pay all approved programme fees for the duration of study.

Specific Requirements

Specific requirements for admission to the PhD programme in Business and Management at KSB are as follows:

a. Holders of Master's Degree in relevant subject areas (e.g., MSc/MA/MBA, etc.)

Candidates holding Master's degree in relevant subject areas (e.g. MSc/MA/MBA, etc. in Business Administration) from a recognized University or institution of higher learning.

b. MPhil Holders

Candidates who possess MPhil degree qualifications in the relevant subject areas related to business and management (e.g., Accounting, Marketing, Strategic Management, Human Resource Management or Logistics and Supply Chain Management) from a recognized University or institution of higher learning.

ADMISSION INTO DBA PROGRAMME

Admission Requirements

The minimum requirements for entry into the research degree study shall be in accordance with the requirement specified and stated on the KNUST web site or printed handbook as well as in the Statute and Regulations for research degrees of KNUST.

- All candidates must possess an Honours Degree with a minimum of Second Class Lower Division from a recognized University or institution of higher learning.
- All candidates must attend and pass interview sessions conducted for the programme being applied for.
- All candidates must demonstrate their ability to pay all approved programme fees for the duration of study.

Specific Requirements

Specific requirements for admission to the DBA programme at KSB are as follows:

- A candidate shall hold Master's degree in relevant subject areas in business and management (e.g., MSc/MA/MBA in Business Administration) from a recognized University or institution of higher learning.
- Must have at least five (5) years of professional experience.

C. COLLEGE OF ART AND BUILT ENVIRONMENT

1. Department of Architecture

MPhil Architectural Studies – 2 years

Options

- Urban Design and Development
- Building and Environment
- Architectural History & Appreciation
- Housing
- Conservation and Restoration
- Landscape Design

- Environment and Behaviour

- **MArch (Master of Architecture) - Two (2) years**
- **MSc Architecture - One (1) year**
- **MSc Architecture – Two (2) years**

MPhil Architectural Studies – Two (2) years

MSc Architecture (One Year)

Admission Requirements

Students who have completed the Postgraduate Diploma (or higher) in Architecture and related fields of study from accredited/government recognized University will be admitted into the programme.

- Students must demonstrate relevant experiences 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 percent.
- Three letters of recommendation from three previous faculties and/or members of the profession.
- Portfolio of architectural studies (or related fields) works.
- In addition to these requirements, all applicants must pass an interview by a panel from the Departmental Board.

MSc Architecture (Two Years)

Admission Requirements

These programmes are offered to students with architecture background, after obtaining a first undergraduate degree. Admission to these programmes may be preceded by an interview.

MArch (Master of Architecture) – Two Years

Admission Requirements

This programme is for students with a first degree in Architecture in any recognised institution. Students are chosen by set criteria based on detailed results at the undergraduate levels.

- Students must demonstrate relevant experiences 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 percent.
- Three letters of recommendation from three previous faculties and/or members of the profession.
- Portfolio of architectural studies (or related fields) works.
- In addition to these requirements, all applicants must pass an interview by a panel from the Departmental Board.

PhD (Architecture) – Four Years

Admission Requirements

The PhD (Architecture) programme is open to Master of Philosophy (MPhil), Master of Architecture, Master of Science (Architecture), Master of Arts graduates and Postgraduate Diploma in Architecture holders following initial registration of an MPhil, full-time (2 year minimum full-time) or part-time (minimum 3 years); research in the fields of engineering, sciences or humanities with connections to architecture is admissible subject to approval by the Departmental Board. As pertains in KNUST and most Universities in the world, research students will be initially registered on the MPhil, but will transfer and backdate registration based on evidence of good progress and with a supportive recommendation from Supervisor(s) through the Departmental Board.

Additionally, students seeking admission must:

- a. Demonstrate sufficient ability and interest to undertake the programme.
- b. Attend an interview session and pass the interview before admission.
- c. Submit a coherent and sustainable research proposal with workable programme/time table.

2. Department of Building Technology

MPhil / MSc (Construction Management)

Duration

- 12 – month programme leading to the award of MSc
- 2 – year Programme leading to the award of MPhil

Admission Requirements

- Candidates must hold a good bachelor's degree in, Building Technology, Construction Technology & Management, Quantity Surveying, Postgraduate Diploma in Architecture and Civil Engineering
- Candidates must have a minimum of two years relevant industrial or research experience
- Admission to the Programme will be preceded by an interview.

MPhil / MSc (Procurement Management)

Duration

- 12 – month programme leading to the award of MSc
- 2 – year Programme leading to the award of MPhil

Admission Requirements

- Candidates must hold a good bachelor's degree, Building Technology, Construction Technology & Management, Quantity Surveying, Postgraduate Diploma in Architecture, Civil Engineering, Land Economy, and Business Management & Administration, and admission is open to graduates from other disciplines.

- Candidates must have a minimum of two years relevant industrial or research experience
- Admission to the programme will be preceded by an interview

– PhD Building Technology

– PhD Construction Management

Duration: 4 – year programme leading to the award of PhD

Admission Requirements

- Candidates must hold a Master's degree or its equivalent from a recognized institution in Architecture, Building Technology, Quantity Surveying, and Civil Engineering
- Candidates must submit evidence of adequate training and ability to undertake the programme
- Candidate must have a minimum of two (2) years relevant industrial or research experience
- Candidates must attend an interview session and pass the interview before admission
- Candidates must submit a suitable research proposal and workable programme that fit into the construction industry and acceptable to the Department

3. Department of Planning

- i. **MSc Development Planning and Management (Spring Regular)**
- ii. **MSc (Development Planning and Management (Weekend Programme))**

The SPRING programme is open to Planners, Managers, Administrators and other related professionals, with a Bachelor's Degree in the Second Class Upper Division and above or its equivalent from a recognized institution in relevant programmes including the following:

- Planning
- Development Studies/Integrated Development Studies
- Social Studies
- Agriculture
- Renewable Natural Resources
- Economics
- Civil Engineering
- Geography
- Sociology
- Land Economy
- Business and Public Administration
- Environmental Studies
- Any other relevant programmes

Candidates with Second Class Lower Division in the relevant fields of study may also apply for consideration. However, all applicants must have a minimum of one year post-graduation experience in industry or research and must pass an interview before gaining admission into the programme.

The Weekend SPRING Programmes which are run on Saturday/Sunday for two years, are suitable for applicants who may be currently working and those who are actively seeking for jobs. Upon admission, students enrolled in the SPRING Weekend programme are required to pay WEEKEND fee of GHC6, 000 per year to the Department (subject to a review), in addition to other university charges.

The fees for the DEPP (Regular) programme will be assessed in due course.

Any candidate who fails to complete the programme within the two year period will pay additional pro-rated fees to the Department of Planning, aside any additional fees assessed by Graduate School.

iii. MSc Development Policy and Planning (DEPP – Regular)

iv. MSc Development Policy and Planning (DEPP - Weekends)

A Bachelor's Degree in the Second Class Upper Division and above or its equivalent from a recognized institution in relevant programmes including the following:

- Planning
- Development Studies/Integrated Development Studies
- Agriculture
- Renewable Natural Resources
- Economics
- Civil Engineering
- Geography
- Sociology
- Land Economy
- Business and Public Administration
- Environmental Studies
- Any other relevant programmes

Candidates with Second Class Lower Division in the relevant fields of study may also apply for consideration. However, all applicants must have a minimum of one year post-graduation experience in industry or research and must pass an interview before gaining admission into the programme.

The Weekend MSc DEPP programme which is run on Saturday/Sunday for two years, is suitable for applicants who may be currently working and those who are actively seeking for jobs. Upon admission, students enrolled in the DEPP Weekend programme are required to pay WEEKEND fee of GHC6, 000 per year to the Department (subject to a review), in addition to other university charges.

The fees for the DEPP (Regular) programme will be assessed in due course.

Any candidate who fails to complete the programme within the two year period will pay additional pro-rated fees to the Department of Planning, aside any additional fees assessed by Graduate School.

v. Master of Philosophy in Development Studies (Regular)

vi. Master of Philosophy in Development Studies (Weekends)

These two-year programmes are open to a limited number of high caliber candidates with First Class Undergraduate Degrees or good Second Class (Upper Division) from reputable institutions in relevant courses including the following:

- Development Studies/Integrated Development Studies
- Agriculture
- Renewable Natural Resources
- Economics
- Geography
- Sociology
- Land Economy
- Environmental Studies

Candidates with Second Class Lower Division in the relevant fields of study may also apply for consideration. ***Candidates who did not write a thesis at the undergraduate level, and/or those who wrote group projects may only be admitted under special circumstances.*** In addition, all applicants must have a minimum of one year's post-graduation experience in industry or research and must have well-developed research proposals on contemporary development issues in their area of interest.

Shortlisted applicants must pass an interview selection process. All selected candidates for the programme may be required to take core and specified coursework and must meet specific benchmarks specified by the Department in order to meet the graduating requirements.

The Weekend MPhil Programme which is run on Saturday/Sunday for two years, is suitable for applicants who may be currently working and those who are actively seeking for jobs. Upon admission, students enrolled in the MPhil Weekend programme are required to pay WEEKEND fee of GHC 6,000 per year to the Department (subject to a review), in addition to other university charges.

The fees for the Regular programmes will be assessed in due course.

Any candidate who fails to complete the programme within the two year period will pay additional pro-rated fees to the Department of Planning, aside any additional fees assessed by Graduate School.

vii. Master of Philosophy in Planning (Regular)

viii. Master of Philosophy in Planning (Weekends)

These two-year programmes are open to a limited number of high caliber candidates with First Class Undergraduate Degrees or good Second Class (Upper Division) in *Development Planning, Settlement Planning* or any other planning degree from reputable institutions. Potential applicants must have written a thesis on contemporary development issues at the undergraduate level.

All selected candidates for the programme may be required to take some core and specified coursework and must meet specific benchmarks specified by the Department in order to

meet the graduating requirements. *Candidates who did not write thesis at the undergraduate level and those who wrote group projects may only be admitted under special circumstances.*

The Weekend MPhil Programme which is run on Saturday/Sunday for two years, is suitable for applicants who may be currently working and those who are actively seeking for jobs. Upon admission, students enrolled in the MPhil weekend programme are required to pay WEEKEND fee of GHC 6,000 per year to the Department (subject to a review), in addition to other university charges.

The fees for the Regular programmes will be assessed in due course.

Any candidate who fails to complete their programme within the two year period will pay additional pro-rated fees to the Department of Planning, aside any additional fees assessed by Graduate School.

ix. PhD in Development Studies (Full Time - 4 years)

x. PhD in Development Studies (Part Time- 5 years)

Applicants must hold a good Master of Philosophy degree in Development Studies or a relevant Master's Degree from a recognized university which is acceptable to the Departmental Board. A good master's degree in the following related programmes are required for admission into the programme

- Development Studies/Integrated Development Studies
- Agriculture
- Renewable Natural Resources
- Economics
- Civil Engineering

- Geography
- Sociology
- Land Economy
- Environmental Studies
- Any other relevant programmes

In addition, all applicants must have a minimum of two years post-graduation experience in industry and must pass a selection interview before gaining admission into the programme. Candidates with proven research background (as reflected in publications in reputable journals) have added advantage.

All applicants must have well-developed research proposals which reflect contemporary development issues and pass through a competitive interview selection process.

Candidates who did not write a thesis at the Master's level need not apply

Upon admission, all candidates are expected to pay an annual research support fee of GHC 4,000 per annum per student (subject to annual review) to the Department of Planning, aside any other university fees.

All candidates may have to do extra work and must meet specific benchmarks specified by the Department in order to meet the graduating requirements.

Any candidate who fails to complete the programme on schedule will pay the additional research support fee to the Department of Planning, aside any additional fees assessed by Graduate School

- xi. PhD in Planning (Full Time - 4 years)**
- xii. PhD in Planning (Part Time - 5 years)**

Applicants must hold a good master's degree in the following:

- a. Master of Philosophy in Planning
- b. Master of Science in Development Planning and Management
- c. Master of Science in Development Policy and Management
- d. Any other Master's degree in Planning from a recognized university which is acceptable to the Departmental Board.

In addition, all applicants must have a minimum of two years post-graduation experience in industry and must pass a selection interview before gaining admission into the programme. Candidates with proven research background (as reflected in publications in reputable journals) have added advantage.

All applicants must have well-developed research proposals which reflect contemporary development issues and pass through a competitive interview selection process.

Candidates who did not write a thesis at the Master's level need not apply

Upon admission, all candidates are expected to pay an annual research support fee of GHC 4,000 per annum per student (subject to annual review) to the Department of Planning, aside any other university fees.

All candidates may have to do extra work and must meet specific benchmarks specified by the Department in order to meet the graduating requirements.

Any candidate who fails to complete the programme on schedule will pay the additional research support fee to the Department of Planning, aside any additional fees assessed by Graduate School

Centre for Settlement Studies and Department of Planning

i. Mphil - Urban Management Studies

The programme is open to all applicants but specifically targeted towards directors of the Ministry of Local Government and Rural Development; Staff of Town and Country Planning Department; Managers of Real Estate Companies; Managers of Waste Management Companies; Lands Commission Staff; Forestry Commission Staff, District, Municipal and Metropolitan Chief Executives; District, Municipal and Metropolitan Coordinating Directors, Planning Officers, Director of Works and Engineers.

An applicant must hold a Bachelor's degree from any recognized university with a minimum of two years working experience in recognized institutions that are in urban related professions. The applicant will also be required to submit a research proposal and when shortlisted for admission would be invited for an interview. Candidates from the following backgrounds are eligible to apply: 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.

Programme Structure

The MPhil in Urban Management Studies is a two-year programme structured along the lines of both taught and

research. The first year is basically devoted to teaching courses that will be examinable at the end of each semester for the two semesters. Teaching will be done at weekends (Saturdays and Sundays).

4. Department of Land Economy

1. MSc Land Policy and Governance
2. PhD Land Economy/Land Management

Admission Requirements

MSc Land Policy and Governance is open to Land Economists, Estate Managers, Planners, Land Surveyors, Geomatic Engineers, Town and Country Planners and related Social Scientists.

- Applicants must hold a bachelor's degree (at least Second Class) in a Land Economy, Planning, Geomatic/Geodetic Engineering, Geography, Economics, Sociology, Agriculture, Environmental Studies, Natural Resources Management and other related degrees from institutions of recognised standing.
- Candidates must attend an interview session and pass before admission

PhD Land Economy/Land Management

- Candidates must hold an MPhil/MSc in Land Economy, Real Estate or a Master's degree in a relevant subject from a recognised University acceptable to the Departmental Board.
- Candidates must attend an interview session and pass before admission.
- Candidates must submit a sustainable proposal and workable programme that fit into the land industry and acceptable to the Departmental Board.

Centre for Settlement Studies & Department of Land Economy

MPhil Land Management Studies

- The programme is open to all applicants but specifically targeted towards Managers for Real Estate Companies; Lands Commission Staff; Director of Works and Engineers, Directors of the Ministry of Local Government and Rural Development; Staff of Town and Country Planning Department; Forestry Commission Staff; District and Land Valuation Officers; Surveyors, Land Surveyors and NGOs.

Admission Requirements

- Candidates must possess a good degree (a minimum of Second Class Lower) in Land Economy and related subjects from an approved University. Admissions shall be made in accordance with existing University regulations. Priority will be given to candidates with some work experience. Graduates in allied professions, such as planning, geography, development policy, law and the social sciences operating in the areas of land management (for which they have received little or no training) qualify to apply. The programme is geared towards equipping such graduates with the requisite training.
- The programme is particularly expected to equip students with the tools to operate in land management; provide the basis for students who may want to pursue their studies to a more advanced level (e.g. the doctoral level) to enable them pursue vocations in the universities and research institutions, to achieve their objective.

*The programme is for a period of **two years** and run at weekends (Saturday and Sunday). The programme is organized in modules with the first year being for course work including eight (8) weeks internship.*

FACULTY OF ART

1. Department of General Art Studies

MPhil African Art and Culture

The pre-requisite criteria for admission to the programme are:

- A good BA, BFA or Bed. (1st or 2nd Class) degree in any Art discipline;
- A good pass (65% or above) in Research Methodology at the undergraduate level;
- A good pass (65% and above) in a written examination and interview to be determined by the Departmental Board ;
- Completion of National Service.

MPhil Art Education

The pre-requisite criteria for admission to the programme are:

- A good BA, BFA, or BEd (1st or 2nd Class) degree in any Visual Art discipline;
- A good pass (60% or above) in Research Methodology and Thesis writing at the undergraduate level;
- Submission of a research proposal on an appropriate topic that is relevant to teaching, learning, and administration of the Art, Vocational or General Education;
- A good pass (65% or above) at the entrance examination and interview that is determined by the Departmental Board; and

- At least One (1) year classroom teaching or school administration experience.

PhD African Art and Culture

The pre-requisite criteria for admission to the programme are:

- MA, MFA or MPhil African Art and Culture degree or any Art discipline from a recognised university;
- Evidence of research scholarship: Thesis, Project Report, Journal or other acceptable publication;
- Submission of comprehensive Research Proposal on an appropriate topic in Art; and
- A good pass (70% or above) at an entrance examination and/or interview to be determined by the Departmental Board.

PhD Art Education

The pre-requisite criteria for admission to the programme are:

- MA, MPhil, MFA or MEd. Art Education degree in any Visual Art discipline from a recognised university;
- Evidence of research scholarship: Thesis, Project, Journal article or other acceptable publication;
- Submission of a comprehensive Research Proposal on an appropriate topic in any Visual Art discipline or Art Administration; and
- A good pass (70% and above) at entrance examination and/or interview to be determined by the Departmental Board.

2. Department of Painting and Sculpture

MFA/PhD Painting, Sculpture, and Painting & Sculpture

MFA

Admission Requirements

Candidates must possess either a BA (Art) or BFA degree or its equivalent, preferably with First Class or Second Class (Upper Division). Candidates with other qualifications and divisions may be admitted after an interview.

PhD

Admission Requirements

Candidates must possess an MFA or its equivalent in a related field from a recognized university.

3. Department of Industrial Art

MFA Ceramics

Admission Requirements

A candidate for admission to the Master of Fine Art, Ceramics Programme must have completed B.A (Industrial Art) Degree (Ceramics Option) or its equivalent with First Class or Second Class Honours (Upper Division). The candidate must pass an oral interview.

MFA Jewellery and Metalsmithing

Admission Requirements

A candidate for admission to the Master of Fine Art, Metal Product Design Programme must have completed B.A. Industrial Art Degree (Metal Product Design Option) or its equivalent with First Class or Second Class Honours (Upper Division). The candidate must pass an oral interview.

MFA Textiles Design

Admission Requirements

A candidate for admission to the MFA Textiles Programme must have obtained the BA. Industrial Art degree (Textiles Option) with First Class or Second Class Honours (Upper Division) or its equivalent. Admission of students into the

Master of Fine Art programme will also be based on the assessment of applicant's portfolio and an oral interview.

4. Department of Communication Design

MPhil Communication Design (Full Time Only)

Prospective students should have a good first degree (First Class or Second Class Upper Division) in the pathway areas in Communication Design or Design related programme.

Masters in Communication Design (MCOMM) Part Time and Full Time

For MCOMM applicant, in addition, must have a minimum of two years working 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 an interview, a level of knowledge and competence appropriate to the demands of the programme, and to demonstrate the potential to benefit from that study.

For Part-Time programmes, lectures are held on Thursday evenings and week-ends.

For MPHIL, candidate will be required to submit a – page summary of proposal that he/she intends to work on and for which a competent supervisor is readily available. MComm students will be required to produce a good professional portfolio and attend an interview.

Candidates would 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; 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, respond communicatively to criticism

5. Department of Integrated Rural Art and Industry **MPhil Integrated Art**

The MPhil Degree in Integrated Art programme is designed to last two years; two semesters of taught courses and studio practice, and two semesters of Studio Practice (Research) and Project Report (thesis writing) with a minimum credit hour requirement for graduation of 65 credits.

Admission Requirements

- a) Applicants must have a first degree in Integrated Rural Art and Industry preferably a First Class or Second Class Honours (Upper Division) or a first degree in a closely related field.
- b) Applicants with Master of Integrated Art and Industry will be admitted to the Second Year of the Masters Degree programme. Candidates with a second class Lower Division and considerable relevant professional experience may also apply.
- c) Applicants must be successful at an interview and assessment of portfolio in the areas of specialization.

Areas of Specialization

Fibres and Fabrics Technology; Leather Technology; Clay and Earthenware Technology; Woodworking Technology; Metals Fabrication Technology; Bamboo and Rattan Technology; and Product Design Technology.

- d) Study in Product Design Technology is available to candidates with good first degree in relevant designed based

programmes, such as; Graphic Communication, Painting, Architecture, Computer Science and Engineering programmes.

Master of Integrated Art

Duration of the Programme:

One Year (Full Time)

Two Years (Part-Time)

The Master of Integrated Art Degree programme is designed to last for one year; two semesters of taught courses and Studio Practice (Research) and Project Report (thesis writing) with a minimum credit hour requirement for graduation of 35 credits.

Admission Requirements

- a) Applicants must have a first degree in Integrated Rural Art and Industry preferably a First Class or Second Class Honours (Upper Division) or a first degree in a closely related field. Candidates with a Second Class Lower Division and considerable relevant professional experience may also apply.
- b) Applicants must be successful at an interview and assessment of portfolio in the areas of specialization.

Areas of Specialization

Fibres and Fabrics Technology; Leather Technology; Clay and Earthenware Technology; Woodworking Technology; Metals Fabrication Technology; Bamboo and Rattan Technology; and Product Design Technology.

Study in Product Design Technology is available to candidates with good first degree in relevant designed based programmes, such as; Graphic Communication, Painting, Architecture, Computer Science and Engineering programmes.

D. COLLEGE OF HEALTH SCIENCES

FACULTY OF PHARMACY & PHARMACEUTICAL SCIENCES

1. Department of Pharmaceutics

MSc Pharmaceutical Technology

- A good first degree in Pharmacy (BPharm/PharmD), Chemistry, Bio-chemistry, Chemical Engineering and other related disciplines
- Interviews will be conducted for short-listed applicants to select those who best qualify for the programme

MPhil/PhD Pharmaceutics

MPhil

- A good first degree in Pharmacy (BPharm/PharmD) or other related Natural Sciences

PhD

- a) MPhil or MSc in Pharmaceutics or other related Natural Sciences
- b) Candidates with a good first degree in Pharmacy (BPharm/PharmD) or other related Natural Sciences may transfer from MPhil to PhD at the end of the second year after meeting all University conditions for transfer.

MPhil/PhD Pharmaceutical Microbiology

MPhil

- A good first degree in Pharmacy (BPharm/PharmD) or other related Natural Sciences

PhD

- a) MPhil or MSc in Pharmaceutical Microbiology or other related Natural Sciences
- b) Candidates with a good first degree in Pharmacy (BPharm/PharmD) or other related Natural Sciences

may transfer from MPhil to PhD at the end of the second year after meeting all University conditions for transfer.

2. Department of Pharmacognosy

MPhil/PhD - Pharmacognosy

- i. Phytochemistry
- ii. Standardization of Herbal products
- iii. Search for bioactive compounds from medicinal plants of folkloric interest. The areas of interest include antimicrobial agents, anti-diabetic agents, antimalarial agents, anti-helminthic agent, anti-inflammatory and analgesic agents

Admission Requirements

In addition to the general entry requirements, applicants with a good first degree in Pharmacy (BPharm/PharmD) or a recognized qualification in Pharmacy, Biological Sciences, Botany, Chemistry, Biochemistry, other basic sciences and related areas will be considered for admission.

3. Department of Pharmaceutical Chemistry

MPhil/PhD

The Department offers MPhil/PhD in Pharmaceutical Chemistry with emphasis on Pharmaceutical Analysis and Quality Control; Medicinal Chemistry; Phytochemistry including Bioactivity and Safety testing of Phytochemicals; Pharmacokinetics and Drug metabolism; Kinetics of Drug Decomposition and Stability of Drug products; Powder Technology; Gum Technology and Stability Studies; Formulation and Stability Studies; Herbal Medicinal Plants Research; Antimicrobial agents and their actions; Microencapsulation; Preservation of Pharmaceuticals; Biopharmaceutics and Pharmacokinetics and Drug Delivery.

Admission Requirements

- Candidates with a **good first degree** in pharmacy (BPharm/PharmD) Chemistry or Biochemistry may be considered for **MPhil** admission.
- Candidates applying for **PhD** admission should have a minimum of MPhil/MSc degree in pharmaceutical sciences and/or related programmes: Pharmaceutical Analysis and Quality Control; Medicinal Chemistry; Pharmaceutics; Pharmacology; Pharmacognosy; Biochemistry; Chemistry and other related disciplines.

4. Department of Clinical and Social Pharmacy

MSc/MPhil/PhD – Clinical and Social Pharmacy

- MSc Clinical and Social Pharmacy – Part-Time (Taught and Research)
- MPhil Clinical and Social Pharmacy (Full-Time (Taught and Research)

Admission Requirements

- **MSc/MPhil** - A good first degree in Pharmacy (BPharm/PharmD)
- **PhD** - MSc degree in Clinical and Social Pharmacy, MPhil, MPH degree or a good Doctor of Pharmacy degree (PharmD)

5. Department of Pharmacology

- PhD Pharmacology
- PhD Clinical Pharmacology
- MPhil Pharmacology
- MPhil Clinical Pharmacology

The minimum requirements for admission into the programmes are:

MPhil

- a) A good First Degree in Pharmacy (BPharm/PharmD), Toxicology, Medicine, Biochemistry or a related field in the Biomedical Sciences.

PhD

- b) Candidates with a Master's degree in Pharmacy, Toxicology, Medicine, Biochemistry or a related field in the Biomedical Sciences from an accredited institution may apply directly into the PhD programmes.
- c) Candidates with First Class or Second Class Upper Division) who register for the MPhil could transfer into the PhD at the end of the second year when the requisite conditions are met.

All applicants MPhil/PhD will present letters of recommendation from three referees and attend an interview prior to admission.

SCHOOL OF MEDICAL SCIENCES

1. Department of Clinical Microbiology

MPhil/PhD - Clinical Microbiology

Options:

Bacteriology, Entomology, Parasitology and Virology

Admission Requirements

MPhil

First Class or Second Class (Upper Division) degree in Biological Science, Medical Laboratory Technology or equivalent from recognized institution.

PhD

- a) MSc/MPhil in appropriate discipline from recognized institution
- b) Proof of funding required
- c) Candidates should first contact the Head of Department on their proposed Research Projects before applying.

2. Department of Molecular Medicine

MPhil – Chemical Pathology, Immunology

Admission Requirements

A good degree in Medical Laboratory Technology, Pharmacy, Human Biology and Biochemistry. The candidate should have a flair for Medical Laboratory work/research. Preferably, a Second Class (Upper Division) or above in the area of graduation.

MPhil - Immunology

A good degree in Medical Laboratory Technology, Pharmacy, Human Biology and Biology. The candidate should have a flair for Medical Laboratory work/research. Preferably, a Second Class (Upper Division) or above in the area of graduation.

PhD – Chemical Pathology

A good degree in MPhil Chemical Pathology or MSc Clinical Biochemistry from a recognized University. Prospective candidates should be successful at pre-admission interview.

PhD – Immunology

A good degree in MPhil Biological Sciences, Biochemistry or MSc in Immunology or any of the Life Sciences from a recognized University. Prospective candidates should be successful at a pre-admission interview.

3. Department of Anatomy and Cell Biology

Applications are invited from suitable candidates for admission to the MPhil Human Anatomy and Cell Biology, MPhil Human Anatomy and Forensic Science, MPhil Human Anatomy and Cell Biology (Morphological Diagnostics option) and MPhil Mortuary Science and Management Programmes.

- MPhil Human Anatomy and Cell Biology/ Forensic Science Programme
- MPhil Human Anatomy and Cell Biology (Morphological Diagnostics option)

Admission Requirements

At the time of application, applicants should possess a good First Class or Second Class (Upper Division) in Biological Sciences, Anatomy and Cell Biology, Biomedical Science, Medical Laboratory Technology, MB.Ch.B or its equivalent from a recognised institution.

MPhil Mortuary Science and Management

First or Second Class (Upper Division) degree in Biological Sciences, Biomedical Science, Anatomy and Cell Biology, Medical Laboratory Technology, Nursing, Herbal Medicine, Biochemistry, Allied Health Sciences, Chemistry or related discipline from a recognised institution.

The candidate should have a flair for laboratory work or research. Prospective candidates should also show proof of their source of funding and be successful at a pre-admission interview.

PhD Human Anatomy and Cell Biology Programme

PhD Human Anatomy and Forensic Science Programme

A good degree in MSc/MPhil/MMedSc in Human Anatomy and Cell Biology, Human Anatomy and Forensic Science, Biological Sciences, Biomedical Sciences, Medical Laboratory Technology from a recognised University. The candidate should have a flair for laboratory work or research. Prospective candidates should also show proof of their source of funding and be successful at pre-admission interview.

Duration of Programmes

- a. **Master's Programmes** – Full-Time Two (2) Calendar Years and Part-Time Three (3) Calendar Years duration (taught and research).
- b. **PhD Programme** Full-Time Four (4) Calendar Years and Part-Time Five (5) Calendar Years

4. Department of Physiology

MPhil Human Physiology

Admission Requirements

- a) A minimum of Second Class (Lower Division) degree in any of the Life Sciences
- b) MB.ChB degree

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

MSc Audiology and MSc Speech/Language Pathology

Admission Requirements

First Degree in Sciences or the Humanities

Applicants must have obtained a First Class Degree or Second Class (Upper Division) or its equivalent.

SCHOOL OF PUBLIC HEALTH

1. Department of Health Policy, Management and Economics

MSc/MPH - Health Services Planning and Management

2. Department of Health Promotion and Education

MSc/MPH - Health Education and Promotion

3. Department of Population, Family and Reproductive Health

MSc/MPH - Population and Reproductive Health

– PhD Public Health

Admission Requirements

To qualify to pursue the PhD Public Health programme, an applicant shall hold a Masters degree with a CWA of at least 65.0 or its equivalent, from a recognised institution and shall provide evidence of adequate training and financial support to undertake the proposed programme. Additionally, the applicant must have at least one (1) publication in a peer-reviewed journal, out of the Masters dissertation/thesis. Applicants who demonstrate an inclination toward a career in academia or health research, or are currently pursuing a career in either of these two areas will have an added advantage for admission.

Admission Requirements

MPH/MSc

To qualify for admission into the MSc/MPH (**Health Services Planning and Management**) programme, the applicant should have a good first degree (at least 2nd Class Lower), preferably in any of the life sciences such as medicine, veterinary medicine, nursing, public health, environmental health,

pharmacy or health-related disciplines - the social sciences, development and education. The first degree should be from a recognised University/College. In addition, applicants should have had at least two years post-graduation work/job experience.

MPH/MSc

To qualify for admission into the MSc/MPH (**Health Education and Promotion**) programme, the applicant should have a good first degree (at least Second Class Lower), preferably in any of the life sciences such as medicine, veterinary medicine, nursing, public health, environmental health, pharmacy or health-related disciplines - the social sciences, development and education. The first degree should be from a recognised University/College. In addition, applicants should have had at least two years post-graduation work/job experience.

MPH/MSc

To qualify for admission into the MSc/MPH (**Population and Reproductive Health**) programme, the applicant should have a good first degree (at least 2nd Class Lower), preferably in any of the life sciences such as medicine, veterinary medicine, nursing, public health, environmental health, pharmacy or health-related disciplines - the social sciences, development and education. The first degree should be from a recognised University/College. In addition, applicants should have had at least two years post-graduation work/job experience.

The final selection will be done through a written examination followed by an interview.

F. COLLEGE OF SCIENCE

1. Department of Biochemistry and Biotechnology

General Requirements

The general requirements for all graduate programmes in Biochemistry and Biotechnology are as follows:

- a) Completion of graduate admission application forms with supporting documents
- b) A statement of intent, including a brief discussion (not exceeding 1,500 words) of educational goals and career projections. Applicant may also include a copy of previous written scientific work.
- c) International Students whose native language is other than English must demonstrate adequate level of proficiency in English as a foreign language. These must enroll in an adequate level of English course offered by the Department of English for at least six (6) months.
- d) Unless otherwise stated, all programmes are offered in full-time
- e) Distance learning programmes are part-time and fee paying

a. MSc/MPhil Biotechnology

Students applying for admission to the MSc or MPhil Biotechnology in the Department of Biochemistry and Biotechnology should have a minimum of BSc degree (**at least second class lower division**) in any of the fields listed below.

- a) Biochemistry, Biotechnology, Chemistry, Bachelor of Pharmacy, Doctor of Pharmacy, Biomedical Science, Herbal Medicine, Medical Laboratory Technology, Biological Sciences,

Molecular Biology, Microbiology, Agricultural Science, Horticultural Science, Forestry, Animal Science, Doctor of Veterinary Medicine, Chemical Engineering, Renewable Natural Resources, and related fields

- b) Students with little or no background in biological sciences would be expected to take selected undergraduate courses which should include at least two semesters of cell biology, plant and animal physiology, genetics, and biophysics or analytical biochemistry as prerequisites and to remove other deficiencies.

b. PhD Biotechnology

Applicants to the PhD Biotechnology programme must have a minimum of MSc or MPhil degree from a recognized university in the fields of study listed below:

Biochemistry, Biotechnology, Chemistry, Biomedical Science, Herbal Medicine, Medical Laboratory Technology, Biological Sciences, Molecular Biology, Microbiology, Agricultural Science, Horticultural Science, Forestry, Animal Science, and related disciplines.

c. MPhil Biochemistry

The candidate must have a minimum of BSc degree (**at least second class lower division**) in the fields listed below: Biochemistry, Biotechnology, Chemistry, Bachelor of Pharmacy, Doctor of Pharmacy, Biomedical Science, Food Science, Nutrition, Herbal Medicine, Medical Laboratory Technology, Biological Sciences, Molecular Biology, Microbiology, Agricultural Science or related disciplines. Applicants with no background in biological sciences will be

required to enroll in selected undergraduate biology/biochemistry courses classes to make up for their deficiencies.

d. PhD Biochemistry

The course is intended for graduates with MSc or MPhil, or equivalent in Biological Sciences, Biochemistry, Food Science, Nutrition, Medicine, Dietetics Nutrition, Herbal Medicine, Medical Laboratory Technology, or related disciplines.

e. MSc Human Nutrition and Dietetics – Distance Learning

Applicants should have a BSc degree (**at least second class lower division**) or equivalent in Biochemistry, Food Science, Animal Science, Nutrition, Nursing, Biological Sciences, Medicine, Pharmacy, Dietetics or related disciplines.

f. MPhil Human Nutrition and Dietetics- Fee paying

Applicants with BSc degree (**at least second class lower division**) or equivalent in Biochemistry, Food Science, Animal Science, Nutrition, Nursing, Biological Sciences, Medicine, Pharmacy, Dietetics or related disciplines.

g. PhD Human Nutrition and Dietetics – Fee paying

- (a) A good first degree, at least second class lower division or equivalent in Nursing, Biological Sciences, Biochemistry, Food Science, Nutrition, Medicine, Dietetics, Home Economics
- (b) In addition, candidates should have a good Masters degree in Nursing, Biological Sciences, Biochemistry, Food Science, Nutrition, Medicine, Dietetics.

h. MSc/MPhil Forensic Science- Distance Learning

Candidates must have a minimum of good first degree in Physics, Chemistry, Biochemistry, Biology, Pharmacy and Human Biology. Candidates already employed in relevant forensic related areas will be considered for admission.

2. Department of Food Science and Technology

MSc Food Quality Management (Regular and IDL)

Admission Requirements

- Prospective candidates in the following disciplines are eligible to apply: BSc degree in Food Science and Technology, Biochemistry, Chemistry, Nutrition Science, Biology, Agricultural Engineering or Chemical Engineering or any closely related science or technology BSc programme from a recognized university.
- Also a higher level professional qualification or an advanced degree and relevant work experience in food related establishment could be considered where applicants have not reached the standard entry requirements
- All applicants will be assessed through interview.

MSc Food Science and Technology

- Prospective candidates in the following disciplines are eligible to apply: BSc. (Hons) degree in Nutrition, Biochemistry, Biology, Chemistry, Agricultural Science, Agricultural Engineering, Chemical Engineering and Natural Resources Management.
- Higher level professional qualifications/ postgraduate diploma or an advanced degree and relevant work experience in food related establishment could be

considered where applicants have not reached the standard entry requirements.

- All applicants will be assessed through interview.

MPhil Food Science and Technology

- Prospective candidates in the following disciplines are eligible to apply: BSc. Food Science and Technology, BSc. Food Science and Nutrition.
- All applicants will be assessed through interview.

PhD Food Science and Technology

- Prospective candidates in the following disciplines are eligible to apply: MPhil Food Science, MSc Food Science and Technology, MSc Chemical Engineering or a suitable MPhil equivalent.
- Thus the admission shall be based on:
 1. Application with relevant qualification and Research Proposal
 2. Performance at interview

3. Department of Theoretical and Applied Biology

a. MPhil/MSc Environmental Science

Admission Requirements

The Environmental Science programme is open to candidates with First Class or Second Class (Upper/Lower) Division degrees or its equivalent from a recognized institution, in Biological Sciences, Chemistry, Physics, Mathematics, Engineering, Geography and Applied Sciences.

c. Entry requirements for admission to other MPhil programmes are as follows:

At the time of application, applicants should possess a Bachelor's Degree or its equivalent from a recognized institution in the relevant field of study. Preference will be given to applicants with a First Class or Second Class (Upper/Lower) Division degrees. Applicants are encouraged to apply in any of the fields listed in (c) below.

d. Entry Requirements for admission into PhD programmes are as follows:

Candidates applying for Doctor of Philosophy degree must have a Master's degree or its equivalent from a recognized institution and shall submit evidence of funding and demonstrate ability to undertake original research in any of the following fields: Parasitology, Ecology, Entomology, Plant/Animal Physiology, Microbiology, Plant Pathology, Reproductive Biology, Plant/Animal Systematics, Molecular Biology, Fish and Fisheries Science and Genetics

4. Department of Chemistry

MSc/MPhil Degree Programme

Admission Requirements

Applicants must possess a BSc degree (First Class or Second Class Upper Division) in Chemistry, Engineering or any other science discipline from a recognized university. Applicants with Second Class (Lower Division) degrees could be considered after an interview.

Course and Research Work

This is a two-year programme based on a combination of taught courses and research projects in all branches of chemistry.

Doctor of Philosophy (PhD) Degree Programme

Admission Requirements

Applicants must possess an MSc or MPhil degree from a recognized university. The first degree of the applicant should not be lower than a Second Class (Upper Division) or its equivalent. An outline of a research proposal should accompany the application.

Course and Research Work

This is a minimum of three years programme. The degree is awarded on the basis of course work and a research work in which a candidate had made an original contribution to knowledge.

The postgraduate level programmes are tailored to produce graduates for industry and careers in research and academia.

Postgraduate studies are pursued in the following areas:

- **Organic Chemistry** - specializing in Synthetic Organic Chemistry or Natural Products Chemistry
- **Physical Chemistry** - specializing in Computational Quantum Chemistry, Polymer Chemistry or Biofuels
- **Inorganic Chemistry** - specializing in organometallic chemistry, bioinorganic chemistry or inorganic materials.
- **Analytical Chemistry**
- **Environmental Chemistry**
- **Polymer Science and Technology**

5. Department of Physics

The Department of Physics offers the following graduate programmes:

- i. **MPhil/PhD Geophysics with specialization in the following areas:**
 - Oil and Gas Exploration

- Mineral and Groundwater Exploration
- Environmental Geophysics
- Seismology and Earthquake Studies

ii. MPhil/PhD (Materials Science) with specialization in the following areas:

- Waste Recycling ;
- Polymeric Materials;
- Plastic processing;
- Zeolites and Zeolitic Materials
- Advanced Ceramics for Medical Applications

iii. MPhil/PhD Solid State Physics with specializations in

- Thin Film Semiconducting Materials for Solar Cell Applications;
- Ferroelectric Materials;
- Renewable Energy Systems (Photovoltaics and Fuel Cells);
- Surfaces and Interfaces of Solid State Materials

iv. MPhil/PhD (Meteorology & Climate Science)

- Meteorological Field Observation and Validation Studies
- Atmospheric Dynamical Process
- Weather prediction
- Climate Change Studies: Climate Modelling and Prediction
- Atmospheric Modelling and Remote Sensing

v. MPhil/PhD (Environmental Physics)

- Hydro Pollution
- Terrestrial Pollution
- Atmospheric Pollution

vi. MPhil (Nano Science and Technology)

vii. MSc. (Petroleum Geophysics)

Admission Requirements

Applicants must possess a good first degree (a minimum of second class lower division) in the relevant areas from a recognised university.

6. Department of Mathematics

(i) MPhil Pure Mathematics

Options (Research Areas)

Number Theory; Algebra; Topology and Analysis; Functional Analysis; Differential Geometry; Hyperbolic Geometry; Imaging, Fractional

(ii) MPhil Applied Mathematics

Options (Research Areas)

Modelling with Differential Equations; Mathematical Physics; Operations Research; Computational Mathematics; Mathematical Biology; Mathematical Sciences; Inverse problem of integral equations; Reservoir Modeling; Imaging, Fractional Differential Equation, Revolutionary Algorithm Modeling

(iii) MPhil Mathematical Statistics

Options (Research Areas)

Stochastic Processes; Simple Survey Theory; Statistical Models; Time Series Analysis; Multivariate Analysis; Biostatistics; Design of Experiments; Non Parametric; Statistics, Statistical Influence; Probability Theory; Spatial Statistics

(iv) MPhil Actuarial Science

Options (Research Areas)

Financial Derivatives; Portfolio Theory; Econometrics of

Financial Markets; Computational Finance; Risk Management; Fixed Income Securities; Health Insurance; Re-Insurance; Pensions; Risk Theory; Statistical Tools for insurance; Selection of Risk; Life insurance; Non-Life Insurance; Actuarial Models for Micro Insurance; Non-Life Risk Models e.g. Fire and Floods; Health Insurance.

Admission Requirements

A prospective candidate must have a Bachelor degree in Mathematics/Statistics/Actuarial Sciences. The Mathematics/Statistics programme should have covered Analysis, Algebra, Differential Equations, Scientific Computing and Mathematical Statistics. Equivalent Bachelor's degrees from other science and Engineering disciplines may be considered. Qualified candidates will have oral and written interview after which selected candidates would be recommended.

PhD Pure Mathematics

Options (Research Areas)

Functional Analysis; Differential Geometry; Algebra; Topology and Analysis; Number Theory

PhD Applied Mathematics

Options (Research Areas)

Operations Research; Mathematical Physics; Mathematical Biology; Modelling with differential equations; Computational Mathematics; Mathematical Sciences; Inverse problem of integral equation.

PhD Mathematical Statistics

Options (Research Areas)

Stochastic Processes; Simple Survey Theory; Statistical Models; Time Series Analysis; Multivariate Analysis; Categorical Data Analysis; Biostatistics; Design of

Experiments; Non Parametric, Statistics, Probability, Distribution Theory, Generalized Linear Models, Spatial Statistics; Survival Analysis; Spatial Statistics, Design of Experiment; Survival Analysis; Stochastic Processes, Time Series Analysis, Discrimination and Classification Theory; Non Parametric Statistics, Multivariate Analysis; Financial Times Series, Generalized Linear Models.

PhD Actuarial Science

Options (Research Areas)

Financial Derivatives; Portfolio Theory; Econometrics of Financial Markets; Computational Finance; Risk Management; Fixed Income Securities; Health Insurance; Re-Insurance; Pensions; Risk Theory; Statistical Tools for insurance; Selection of Risk; Life insurance; Non-Life Insurance.

Admission Requirements

Candidates for a PhD in Mathematics/Statistics must hold an MPhil or MSc degree in Mathematics/Statistics 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

A first degree with at least Second Class (Lower Division) from a recognized University in any of the following areas: Computer Science, Computer Engineering, Software Engineering and Information Technology.

ii. MPhil Computer Science

A first degree with at least Second Class (Lower Division) from a recognized University in any of the following areas: Computer Science, Computer Engineering, Software Engineering.

iii. MSc Information Technology

A first degree with at least Second Class (Upper Division) from an accredited University in any of the following areas:

Computer Science, Information Technology/Information Communication and Technology, Business Information Technology, Mathematics and Engineering.

Students with weak computer science background, especially in programming, may be required to take extra courses as may be deemed necessary by the Department.

iv. MPhil Information Technology

A first degree with at least Second Class (Upper Division) from an accredited university in any of the following areas:

Computer Science, Information Technology/Information Communication and Technology, Business Information Technology and Computer Engineering.

Students with weak computer science background, especially in programming, may be required to take extra courses as may be deemed necessary by the Department.

F. COLLEGE OF ENGINEERING

1. Department of Civil Engineering

MSc Water Supply and Environmental Sanitation

MSc Water Resources Engineering and Management

Admission Requirements

Applicants must have a first degree in the following fields: Civil Engineering, Geological Engineering, Agricultural Engineering, and Chemical Engineering. Candidates from Chemistry and other related engineering and science

backgrounds may also apply. The programme will require First Class or Second Class Upper division. Candidates with a Second Class lower division and considerable relevant professional experience may also apply.

MSc Road and Transportation Engineering

Admission Requirements

Applicants must have a first degree in an area relevant to the programme. The programme will require First Class or Second Class Upper division. Candidates with a Second Class lower division and considerable relevant professional experience may also apply.

MSc Structural Engineering

Admission Requirements

Applicants must have a First Class or Second Class (Upper Division) degree in Civil Engineering from a recognised university or institution. Admission may be offered to applicants with Second Class (Lower division) degree provided they have considerable relevant professional experience.

MSc Geotechnical Engineering

MPhil Geotechnical Engineering

Admission Requirements

Applicants must have a First Class or Second Class (Upper Division) degree from a recognised university or institution in any of the following areas:

- **Civil Engineering**
- **Geological Engineering**

Admission may be offered to applicants with Second Class (Lower division) degree provided they have considerable relevant professional experience. A candidate who does not satisfy the above requirements but is otherwise adjudged suitable by the Departmental Board shall, where applicable, be interviewed for admission.

PhD

Geotechnical Engineering, Environmental Engineering
Structural Engineering, Water Resources Engineering
Transportation Engineering

Admission Requirements

Candidates must have a Master's degree or its equivalent in the relevant areas and demonstrate strong aptitude for research.

The Regional Water and Environmental Sanitation Centre, Kumasi (RWESCK) at the Kwame Nkrumah University of Science and Technology, Kumasi Ghana, with support from the World Bank and Ghana Government seeks to build high quality human resource capacity in Ghana and the sub-region to meet the needed critical mass of human resources required to address the development challenges highlighted in the Africa Water Vision 2025 and Sustainable Development Goals.

PhD Programmes

The RWESCK Graduate Research Programme is pleased to invite applicants from Ghana and other West African Countries to pursue a three-year full-time study in the following specializations:

- PhD in Water Resources Engineering and Management
- PhD in Water Supply and Treatment Technologies
- PhD in Environmental Sanitation and Waste Management

Females are encouraged to apply.

Partial PhD Fellowship

- Scholarship to pay bench fee,
- Scholarship to pay academic facility user fee,
- Fund to cover Research cost,

PhD Entry Requirements

In conformity with the entry requirements of the Kwame Nkrumah University of Science and Technology, applicants must have the following:

- Either a First Class or Second Class (Upper Division) undergraduate degree.
- A Master's degree in any of the following areas: Water and Sanitation, Environmental Engineering, Agricultural Engineering, Civil Engineering, Geomatic Engineering, Chemical Engineering, Natural Resources, Geology, Mathematics, other relevant disciplines, with an average of at least 60% cumulative weighted average. ***Submit academic transcripts.***
- Age Limit: 40 years or less.
- Work experience in water and sanitation
- Evidence of current and previous employments related to water and sanitation
- Candidates with journal publications have an advantage.
- An internationally recognized Certificate of Proficiency in the English Language (TOEFL or British Council, IELTS) with above average score (for candidates from non-Anglophone countries).

Master's Programme (MSc)

The RWESCK Graduate Programme is pleased to invite applicants from Ghana and other West African Countries to pursue 18 months full-time MSc programme in the following specializations:

- MSc in Water Resources Engineering and Management
- MSc in Water Supply and Environmental Sanitation

Partial MSc Fellowship

- Scholarship to pay bench fee,

- Scholarship to pay academic facility user fee,
- Fund to cover Research cost,

MSc Entry Requirements

In conformity with the entry requirements of the Kwame Nkrumah University of Science and Technology, the successful candidate must have the following:

- Either a First Class or Second Class (Upper Division) undergraduate degree in any of the following areas: Water and Sanitation, Environmental Engineering, Agricultural Engineering, Civil Engineering, Geomatic Engineering, Natural Resources, Mathematics, Geology, Chemical Engineering, and other relevant disciplines.
- An internationally recognized Certificate of Proficiency in the English Language (TOEFL or British Council, IELTS) with above average score (for candidates from non-Anglophone countries).

2. Department of Geomatic Engineering **MSc/MPhil/PhD - Geomatic Engineering**

MSc/MPhil

Admission Requirements

Second Class Upper Division or better in BSc Geomatic Engineering and other Engineering programmes, Physics, Mathematics, Computer Science, Planning, Natural Resources, Geography from a recognized University. Candidates with Second Class Lower Division in the areas above will go through interview to be conducted by the Department.

PhD

Admission Requirements

Either MSc or MPhil in the relevant areas.

3. Department of Electrical/Electronic Engineering

i) MPhil Telecommunications Engineering

- Applicants must have a good honours degree (First Class or Second Class Upper) in Telecommunication Engineering, Electrical & Electronic Engineering or their equivalent from a recognized University.
- All other applicants who do not satisfy (i) above may be accepted subject to passing a written examination or an oral interview.

ii) PhD Telecommunication Engineering

Applicants must have a good postgraduate degree (First Class or Second Class Upper) in Telecommunications Engineering or its equivalent from a recognized University.

iii) PhD Electrical Engineering

Applicants must have a good first degree (First Class or Second Class Upper) and in addition an MSc or MPhil in the relevant areas in Electrical Engineering or its equivalent from a recognized University.

4. Department of Computer Engineering

MPhil - Computer Engineering

PhD - Computer Engineering

MPhil

Admission Requirements

- A First Class (Upper) honours in Computer Engineering, Electrical and Electronic Engineering or Telecommunication Engineering.

- Candidates with Second Class (Lower) degrees in the three disciplines above may be accepted subjected to passing an interview.
- Candidates with First Class or Second Class (Upper) honours degree in other Engineering/Science disciplines may be accepted subject to passing an interview and in some cases they may have to agree to take courses in basic Engineering.

PhD

PhD candidates shall hold a masters degree or its equivalent in Computer, Electrical or Telecommunication Engineering. Candidates with master's degree in Computer Science may be accepted on condition that they take courses in basic Engineering at the undergraduate level.

5. Department of Chemical Engineering

(i) MSc/ MPhil

- Applicants must possess a BSc Degree (First Class or Second Class Upper Division) in either Chemical Engineering or other engineering/science disciplines. Candidates with BSc Second Class Lower Division in Chemical Engineering and at least three years relevant experience will also be considered.
- All applicants will be required to pass an oral interview and demonstrate the ability to fund or prove the source of funds for the research.
- Applicants for the MPhil programme are also required to submit a synopsis of their research proposal, stating clearly the member(s) of staff willing to supervise the research.

(ii) PhD

- Applicants must possess an MSc or MPhil degree from a recognized University. The first degree of the applicant should be First Class or Second Class Upper Division or its equivalent in Chemical Engineering or in a related field.
- Applicants are required to submit a synopsis of their research proposal
- All applicants are required to pass an oral interview and demonstrate the ability to fund or prove the source of funds for the research.

6. Department of Materials Engineering

MSc – Environmental Resources Management

Admission Requirements

- First class or Second class upper division or its equivalent in Mineral Processing, Engineering, Material Science, Architecture, Agriculture, Renewable Natural Resources and Science.
- Second class lower applicants would be interviewed.
- Applicants will be required to have some industrial experience.

7. Department of Agricultural Engineering

MSc/MPhil

Agricultural Machinery Engineering; Bio-Engineering Agro-Environmental Engineering; Food and Postharvest Engineering; Soil and Water Engineering

PhD

Agricultural Machinery Engineering; Bio-Engineering

Agro-Environmental Engineering; Food and Postharvest Engineering; Soil and Water Engineering.

Admission Requirements

MPhil/MSc: A good first degree in Engineering or Science. Selection of candidates will be based on interviews for shortlisted applicants.

PhD: An MSc or MPhil degree in Engineering or Science. Candidates will be required to develop synopsis for their proposed research topics and their selection will be based on interviews for short-listed applicants.

8. Department of Mechanical Engineering

MSc/MPhil Mechanical Engineering Programme

Programme Specialization Options

MSc/MPhil Students are required to specialize in one of the following options:

- i. Applied Mechanics
- ii. Design and Manufacturing
- iii. Thermo-fluids and Energy Systems Engineering.

Admission Requirements

- A student with a first degree in Mechanical Engineering or related disciplines from a recognized University, with a minimum of Second Class Upper Division will be admitted unto the master's programme.
- A candidate with a Second Class Lower Division in Mechanical Engineering or related discipline may be admitted.

PhD Mechanical Engineering Programme

Programme Specialization Options

PhD students are required to specialize in one of the following options:

- i. Applied Mechanics
- ii. Design and Manufacturing
- iii. Thermo-fluids and Energy Systems Engineering.

Admission Requirements

There are two main routes to which an applicant may be enrolled unto the PhD programme in the Department.

Entry Requirements for Regular or direct PhD Programme (Entry via MSc/MPhil Degree)

- i. A candidate with a good MSc or MPhil degree in Mechanical Engineering or related discipline from a recognized University.
- ii. And a good research proposal with a maximum of one thousand words.

Entry Requirements for Integrated PhD Programme (Entry via BSc Degree)

A candidate with a good first degree, with a minimum of Second Class Upper division in Mechanical Engineering or related discipline from a recognized University.

MSc. RETs (Masters in Renewable Energy Technologies)

Admission Requirements

- Degree in Engineering or Science from a recognised University with a First Class or Second Class (Upper or Lower) Division.
- Some experience in Energy/Renewable Energy Industry.

Tuition

Tuition is by **online** delivery with limited face to face sessions for examinations and laboratory sessions.

9. Department of Geological Engineering

MSc (Geophysical Engineering)

MPhil/ PhD (Geological Engineering)

The Department offers a full time research programme leading to the award of MPhil or PhD in Geological Engineering. Graduate emphasis is in environmental issues (Groundwater studies), Engineering Geology, Environmental geology (geological hazards studies), Mineral exploration and Mining Environmental Management. All registered graduate students in the Department are required to take relevant courses as prescribed by the Department. Additionally, all graduate students are expected to participate fully in seminars held in the Department and also make presentations showing their progress of work.

Duration of Programme

The MPhil research programme is of two (2) years duration for full-time students whilst the PhD programme is of four (4) years duration for full-time students. Both programmes should be in one of the following areas:

- Engineering geology
- Mineral Exploration
- Hydrogeology
- Mining Environmental Management

Admission Requirements

The minimum requirement for admission to a graduate programme is a good first degree preferably First or Second Class Upper Division in Geological Engineering, Geology or a related field in the Earth Sciences. Candidates with lower division degrees will have to attend and pass an interview prior to admission. All candidates with a first degree are initially registered for MPhil programme.

Candidates who demonstrate an outstanding potential for higher degree research may be recommended to the School of Graduate Studies for a transfer onto a PhD programme after a period of 15 months. Candidates with MPhil in Geological Engineering, Geology or a relevant related field are allowed to register for a direct PhD.

a) MSc Geophysical Engineering

Duration of Programme: Two (2) Calendar Years

Admission Requirements

The following are Admission Requirements for prospective students:

a. Either (i) a minimum of Second Class (Upper Division) degree or its equivalent in Geological Engineering, Civil Engineering, Mining Engineering, Petroleum Engineering, Geophysics, Physics, Geology, Earth Science, Agricultural Engineering or any field of specialization relevant to the programme from a recognized University **or**

(ii) a first degree or its equivalent in Geological Engineering, Civil Engineering, Mining Engineering, Petroleum Engineering, Geophysics, Physics, Geology, Earth Science, Agricultural Engineering or any field of specialization relevant to the programme from a recognized University with at least three (3) years of relevant experience.

b. Applicants with qualifications other than those specified in (a) above shall be interviewed by an admissions committee and may be required to take a written examination before admission;

c. Applicants with degrees in other engineering/sciences disciplines (e.g. Agricultural Engineering, Agriculture Science, Mathematics, Electrical Engineering, etc.) may be required to take prerequisite courses to make up for deficiencies in undergraduate geological sciences.

d. Applicant whose working language is not English must show proficiency in the English language (e.g. TOEFL, IELTS, etc.). Arrangements may be made with the Department of Languages for the acquisition of the necessary English language skills prior to embarking on the programme.

JOINT PROFESSIONAL PROGRAMMES

The College of Engineering in collaboration with the Ghana Institution of Engineers and the KNUST Business School with the participation of Diaspora alumni wishes to announce its professional /continuing engineering education programmes for the 2016/2017 academic year. The professional programmes are non-traditional, modular and part-time in nature and are designed to improve professional competency and provide management tools for the mid-career engineers transiting into leadership and managerial roles.

For the 2016/2017 academic year, six selected programmes are being offered and applications are invited from suitably qualified candidates for admission to:

- A. MEng in Oil and Gas with management (Mid and Downstream
- B. MEng in Industrial Operations with Management
- C. MEng in Building Services Engineering with Management
- D. MEng Energy Systems Engineering with Management
- E. MEng in Municipal Engineering with Management
- F. Professional Master of Engineering with Management (MEng.) *Information and Communication Technology Option.*

Admission Requirements

At the time of application, applicants should satisfy the following requirements

A. MEng in Oil and Gas with Management (Mid and Downstream)

1. Possess a BSc or B-Tech degree in chemical process and other engineering disciplines from a recognized university;
2. Applicants should have at least four years of post-graduation work experience in the relevant engineering field;
3. Candidates with a First Class or a very good Second Class Upper with minimum of two years of working experience may be considered;
4. Have an active membership or associate membership of the Ghana Institution of Engineers or other related and recognized professional institution.

B. MEng in Industrial Operations with Management

1. Possesses a BSc or B-Tech degree in engineering disciplines from a recognized university;
2. Applicants should have at least four years of post-graduation work experience in the relevant engineering field;
3. Candidates with a First Class or a very good Second Class Upper with minimum of two years of working experience may be considered;
4. Have an active membership or associate membership of the Ghana Institution of Engineers or other related and recognized professional institution.

C. MEng in Building Services Engineering with Management

1. Possesses a BSc or B-Tech degree in engineering disciplines from a recognized university;

2. Applicants should have at least four years of post-graduation work experience in the relevant engineering field;
3. Candidates with a First Class or a very good Second Class Upper with minimum of two years of working experience may be considered;
4. Have an active membership or associate membership of the Ghana Institution of Engineers or other related and recognized professional institution.

D. MEng Energy Systems Engineering with Management

1. Possesses a BSc or B-Tech degree in mechanical engineering or energy related engineering disciplines from a recognized university;
2. Applicants should have at least four years of post-graduation work experience in the relevant engineering field;
3. Candidates with a First Class or a very good Second Class Upper with minimum of two years of working experience may be considered ;
4. Have an active membership or associate membership of the Ghana Institution of Engineers or other related and recognized professional institution.

E. MEng in Municipal Engineering with Management

1. Applicant must possess a BSc or B-Tech degree in Civil Engineering, Environmental, Sanitary and Municipal engineering or Building Technology from a recognized university;
2. Applicants should have at least four years of post-graduation work experience in the relevant engineering field;
3. Candidates with a First Class or a very good Second Class Upper with minimum of two years of working experience may be considered;

4. Have an active membership or associate membership of the Ghana Institution of Engineers or other related and recognized professional institution.

Applicants may have to pass a selection interview to be admitted into the programme.

F. MEng in Information and Communication Technology with Management.

Candidates are admitted into the programme **unconditionally** if they satisfy the following requirements:

1. Applicants must possess a BSc or BTech degree in Computer, Electrical or Telecommunication Engineering from a recognized University;
2. Have at least four years of post-graduation work experience in an engineering or engineering related field;
3. Have an active membership or associate membership of the Ghana Institute of Engineers or other related and recognized professional Institution.
4. Passed a **Selection Interview**.

Candidates are admitted into the programme **conditionally** if they satisfy the following requirements:

1. Possess a higher National Diploma (HND) in Computer, Electrical or Telecommunication Engineering from a recognized Institution;
2. Students who possess an HND must have at least Five (5) years of relevant post-graduation work experience.
3. Have and active membership or associate membership of the Ghana Institute of Engineers or other related and recognized professional institution.
4. Passes a Selection Interview.

Students admitted conditionally must successfully complete prescribed bridging courses before continuing to the graduate courses.

Duration of Programme

The professional programmes are modular and the modules will be run in the evenings or at weekends. The programme will cover **two (2) academic years for full-time** students and **three (3) years for part-time** students.

FEES: The programmes are full fee paying

Candidates with qualifications not mentioned above are advised to contact the Head, Department of Computer Engineering, KNUST, Kumasi on 0203154862 within the hours of 09.00 – 17.00 GMT for prequalification.

FOR ENQUIRIES

For further enquiries you may contact

**THE SECRETARY
SCHOOL OF GRADUATE STUDIES
KNUST
KUMASI**

Or call 03220- 62139

NOTE:

*Those intending to pursue distance learning programmes **SHOULD NOT** purchase these forms/eVouchers. You should contact the Institute of Distance Learning on 0247-274661*