



**JOMO KENYATTA UNIVERSITY
OF
AGRICULTURE AND TECHNOLOGY
DIPLOMA IN CIVIL
ENGINEERING
SEPTEMBER 2018 INTAKE**

Diploma in Civil Engineering programs & Admission Requirements Brochure

APPLY NOW: TO THE DIRECTOR, JKUAT NAKURU CAMPUS,

P.O.BOX 1063 – 20100 NAKURU, KENYA. TEL: (051) 2216660 FAX: (051) 2215664

EMAIL: nakurucbd@jkuat.ac.ke WEBSITE: www.jkuat.ac.ke

**Diploma programs on offer will on successful completion qualify you to Register as
Technician Engineers with EBK.**

INTRODUCTION

The JKUAT Nakuru CBD Campus is located at the heart of Nakuru Town and we provide: -
Conducive learning environment to our students, Enhanced space, Library and Computer Laboratories,
More academic programs, Flexible learning modes (evenings, weekends only and Daytime classes),
Qualified, vibrant academic resource persons.

JKUAT Nakuru CBD programs include; Post graduate programs, Undergraduate programs, Diploma programs and ICT short courses. JKUAT, Nakuru CBD Campus is committed to providing quality teaching and ensure that students complete their courses in stipulated time.

Applications are invited from qualified candidates for the following programs for the 2017/2018 academic year due to start in September 2018 at JKUAT Nakuru CBD Campus.

DIPLOMA ENGINEERING PROGRAMMES

Engineering programs' main focus is to produce Diploma graduates that are on high demand by both the government and private sectors especially in areas of consultancy and construction industry.

The programs are designed to attract the best students with high cut-off points in KCSE for admission at JKUAT so that after successful completion of diploma programs one is eligible to join a higher degree at JKUAT or any other institution.

The Diploma in Engineering and related courses are designed to inculcate and or develop Technical skills in the application of knowledge, independent thinking, and communication skills, as well as proficiency in the identification and application of solutions to complex civil engineering problems.

After successful completion of the opted course in Engineering Diploma, graduates are expected to work as a team and above all demonstrate competence in areas of technical nature especially in the execution of specialized engineering tasks.

The Diplomas in Engineering programs at Nakuru Campus are considered to be one of their kind and the first to be offered within JKUAT campuses. They will comprise of Four Diploma Engineering disciplines.

DIPLOMA IN CIVIL ENGINEERING

This Diploma programmed aims at producing Civil Engineering Technicians. Civil Engineering profession is one of the core disciplines within engineering that deals with the structural infrastructure urgently needed for development agenda in the 2030 millennium goals. Civil Engineering graduates will find career opportunities in both the public and private sectors that engage in structural infrastructure.

Civil engineering graduates will deal with the design, construction and maintenance of civil works such as super highways, bridges, airfields, harbors, railway network systems, water conveyance and retaining structures (dams), hydropower generation plants, building structural work, hydraulic structures, and sub-structural works. Amongst other responsibilities the Diploma Civil Engineering graduate will be charged with other field responsibilities such as supervision and management of ongoing civil engineering projects as clerk of works.

The Department offers courses that are well structured to meet the ever-changing challenges demands of the civil engineering and construction industry at Diploma level.

DIPLOMA IN WATER ENGINEERING

This Diploma programmed is designed for engineering Technicians wishing to enhance their capabilities in urban and rural water system design, irrigation and drainage engineering, operation and management of water related infrastructure. The programmed is highly relevant to the needs of future water engineers and will provide you with knowledge and key skills in the broader areas of water and irrigation engineering and management, equipping you to solve modern day engineering problems. Water engineering is of significant global interest and highly trained graduates are highly sought after. Our Diploma Graduates can expect to take on exciting roles in consultancies, water utilities, contractors, regulatory bodies, government **Diploma programs on offer will on successful completion qualify you to Register as Technician Engineers with EBK.**

DIPLOMA IN BUILDING CONSTRUCTION

Diploma in Building Construction is intended to equip the trainees with technical and problem-solving skills on which to build their analytical and practical skills during the work experience. On successful completion the trainees will be able to work safely, accurately and efficiently in any building construction industry including highway construction sector amongst other related infrastructure. The diploma in building construction is designed to integrate social sciences, engineering, construction and management courses for efficient service delivery in vision 2030. On successful completion, a window will be opened to join the coveted architectural profession through further training in higher degrees in our Kenyan universities.

DIPLOMA IN QUANTITY SURVEYING

Diploma in Quantity Surveying is intended to prepares students to have a wide range of technical skills in the preparation of bill of quantities for project estimates, preparation of contract documents, work plan schedules, project evaluation, preparation of payment schedules for completed works, advising clients on aspects related to construction technologies and legal aspects in the construction industry. The programmed is unique in its approach to the measurement work for building construction and related infrastructure.

The aim of this program is to produce quantity surveying Technical Graduates with a holistic understanding of theoretical and technical aspects of quantity surveying that would prepare them to practice as assistant QS, works foreman or clerk of works assisting senior engineers.

THE MINIMUM ENTRY REQUIREMENTS FOR ALL DIPLOMA ENGINEERING PROGRAMMES

- • Mean Grade: KCSE C + and grades C in English & C+ in Mathematics and C in Physics & Chemistry or Biology.
- • Mean Grade: KCSE C + and grades C in English & C+ in Mathematics & C in Physical Science and Biology.
- • **Or** Division II in KCE with Pass in English and Credit in Mathematics, Physics and Chemistry or Credit in Mathematics and Physical Sciences.
- • **Or** KNEC Certificate with C (Plain) overall KCSE and minimum Credit pass in either Civil Engineering or Building and civil Engineering or Building Construction or Water Engineering or Engineering Survey or Agricultural Engineering and Architecture certificate.
- • **Or** the equivalent qualification approved by the University Senate.