**JOMO KENYATTA UNIVERSITY**
**OF**
**AGRICULTURE AND TECHNOLOGY**
**COLLEGE OF ENGINEERING AND TECHNOLOGY (COETEC)**

## ADVERTISEMENT FOR SELF-SPONSORED DEGREE PROGRAMMES (SSP)
## COLLEGE OF ENGINEERING AND TECHNOLOGY (COETEC)
## "SEPTEMBER 2026 INTAKE"

Jomo Kenyatta University of Agriculture and Technology (JKUAT) invite applications for admission into the following programs in the **College of Engineering and Technology (COETEC) for Self-Sponsored students.**

**A. School of Electrical, Electronic and Information Engineering (SEEIE)**
1. Bachelor of Science in Electrical and Electronic Engineering (EEE) *(5-Years)*
2. Bachelor of Science in Electronic and Computer Engineering (ECE) *(5-Years)*
3. Bachelor of Science in Telecommunication and Information Engineering (TIE) *(5-Years)*

**B. School of Civil, Environmental and Geospatial Engineering (SCEGE)**
1. Bachelor of Science in Civil Engineering (CE)*(5-Years)*
2. Bachelor of Science in Geomatic Engineering and Geospatial Information Systems (GEGIS) *(5-Years)*
3. Bachelor of Science in Geospatial Information Science (GIS) *(4 Years)*

**C. School of Mechanical, Manufacturing and Materials Engineering (SoMMME)**
1. **Bachelor of Science in Nautical Science (NAS) (4-Years) – *NEW!!!!!!***
2. Bachelor of Science in Materials and Metallurgical Engineering (MME)(5-Years)
3. Bachelor of Science in Aerospace Engineering (AE) (5-Years)
4. Bachelor of Science in Mechatronic Engineering (MT) *(5-Years)*
5. Bachelor of Science in Mechanical Engineering (ME) *(5-Years)*
6. Bachelor of Science in Marine Engineering (MR) *(5-Years)*
7. Bachelor of Science in Mining and Mineral Processing Engineering(MN)*(5-Years)*

**D. School of Biosystems and Environmental Engineering (SoBEE)**
1. **Bachelor of Science in Chemical Engineering *(5-Years) – NEW!!!!***
2. Bachelor of Science in Agricultural and Biosystems Engineering (ABE) *(5-Years)*
3. Bachelor of Science in Energy and Environmental Technology (EET)*(4 years)*
4. Bachelor of Science in Water & Environment Management (WEM)*(4 years)*
5. Bachelor of Science in Aquaculture Technology (AQT) *(4 years)*

**E. School of Architecture and Building Sciences (SABS)**
1. Bachelor of Architectural Studies/ Bachelor of Architecture (BA) *(4/6 Years)*
2. Bachelor of Construction Management (CM) *(4 years)*
3. Bachelor of Quantity Surveying (QS)*(4 years)*
4. Bachelor of Real Estate (RE) *(4 years)*
5. Bachelor of Landscape Architecture (LA) *(4 Years)*

**NB:**
- ✓ All the listed 5 Schools also offer Masters and PhDs in the various specialization areas.

- ✓ All our programs are accredited by the official regulatory bodies in Kenya - Commission for University Education (CUE), Engineers Board of Kenya ( EBK), Board of Registration of Architects and Quantity Surveyors (BORAQS).

## ELIGIBILITY INTO COLLEGE OF ENGINEERING AND TECHNOLOGY (SSP) PROGRAMS:

**CATEGORY A: Admission into degree programmes in the following Schools under COETEC:-**

a) School of Electrical, Electronic and Information Engineering (SEEIE)
b) School of Civil, Environmental and Geospatial Engineering (SCEGE)
c) School of Mechanical, Manufacturing and Materials Engineering (SoMMME)
d) School of Biosystems and Environmental Engineering (SoBEE)

**Requirements:**

(i) KCSE (O-level) mean of C+ (plus) and minimum grades in the individual cluster subjects: Maths C+ (plus), Physics C+ (plus), Chemistry C+ (plus), English/Kiswahili C+ (plus), and C+ (plus) in any of the other subjects. ***NOTE: Physics is not a requirement for BSc. WEM.*** **OR**

(ii) KACE (A-levels) with at least 2 principal passes in Mathematics and Physics; with a total score of at least nine (9) points, and at least 1 credit pass in Chemistry at the KCE; **OR**

(iii) Ordinary Diploma from institution recognized by the JKUAT Senate, having been awarded by JKUAT or by the KNEC/CDACC, or any other body recognized by the University Senate as being of equivalent status. In addition, the diploma holder must have had satisfactory subject grades at O-level and MUST have done the subjects cluster including Maths, Physics, Chemistry, English/Kiswahili; **OR**

(iv) A holder of any other qualifications recognized by the University Senate as equivalent to (i), (ii) or (iii) above.

**CATEGORY B: Admission into Built Environment degree programmes under the *School of Architecture and Building Sciences* as a self-sponsored students:-**

(i) KCSE (O-level) mean of **B- (minus)** and minimum grade of **C+(plus)** in the **4 individual cluster subjects** including: *Mathematics, Physics*, any subject from Group III *(History and Government/Geography/CRE/IRE/HRE)*; **OR** 2nd Group II *(Biology/Chemistry)*; **OR** 2nd Group **III OR** Group IV *(Home Science/Art and Design/Agriculture/Aviation Technology/Computer Studies)*; **OR** Group V *(French, German, Arabic, Music, Business Studies)*;

(ii) ***Bachelor of Architectural Studies/Bachelor of Architecture (for Diploma holders only):*** Holder of JKUAT Diploma in Architecture with **Credit and above** and **12 months** refereed industry/travel portfolio **(entry into third year of study)** OR Holder of JKUAT Diploma in Architecture with a **PASS** and **24 months** refereed industry/travel portfolio **(entry into first year of study)**

---

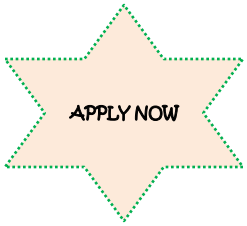
## MODE OF APPLICATION:

a) Admission into the College of Engineering and Technology related courses at JKUAT is undertaken once in every calendar year – **September intakes.**
b) Programs are taught on Semester basis running from September to December and January to April every year or otherwise communicated.
c) Application forms can be obtained upon payment of a non-refundable application fee of KShs. 2,000/- paid at the **KCB University bank account,** Account Number **1107586127.**
d) Fully filled application forms, application fee payment slip, copies of all academic qualifications and a copy of national ID/Birth certificate should be returned at the **Office of the Principal,** CoETEC, JKUAT, Main campus, Juja - Engineering Main Building (EMB), 1st Floor.
e) You can also apply online via **admission.jkuat.ac.ke** by paying for the application via e-citizen platform as prompted.

## OFFICIAL CONTACTS:

**Office of the Principal,**
**College of Engineering and Technology (COETEC), JKUAT**
**Engineering Main Building (EMB), 1st Floor.**
**P.O. Box 62000-00200, Nairobi**
**Tel. 067-5870001-4 Ext. 2110/2111/2113/2114**
**Call Centre contact: 0709 - 715815**
**Email: principal@eng.jkuat.ac.ke**
**Website: http://www.jkuat.ac.ke**

**Application Deadline for the September 2026 intake is Friday, 22nd August, 2026.**




# BRIEF DESCRIPTION OF THE DEGREE PROGRAMS:

| | |
|---|---|
| **School of Civil Environmental & Geospatial Engineering (SCEGE)** | **BSc. in Civil Engineering**<br>Technical training in the fields of structural, geotechnical, highway and transportation, environmental and water engineering. |
| | **BSc. in Geomatic Engineering and Geospatial Information Systems (GEGIS)**<br>Use of modern engineering tools to practice the science of measurement; to acquire, assess, process, analyze and present land and geo-referenced information for the purpose of planning and implementing the efficient administration of the land, the sea and structures thereon. |
| | **BSc. in Geospatial Information Science (GIS)-4 year programme**<br>GIS brings together the disciplines of computing, surveying, mapping, cartography and visualization, with emphasis on modern techniques of geodesy, digital mapping, Remote Sensing, cartography, and GPS. |
| **School of Electrical, Electronic and Information Engineering (SEEIE)** | **BSc. in Electrical and Electronic Engineering**<br>Focus on the study and application of electricity, electronics, and electromagnetic systems, emphasizing design and research. It covers the generation, transmission, control, and utilization of electrical power, as well as the analysis and implementation of electronic, communication, Artificial Intelligence (AI) and control systems, with specialization in either Power Systems and Electrical Machines or Communication and Control Engineering. |
| | **BSc. in Electronic and Computer Engineering**<br>Gives a combination of expertise in Electronics, Computer Engineering, Embedded Systems, and Software Systems, including applied AI, ML, and IoT technologies, for use in industrial, embedded, and intelligent systems. |
| | **BSc. in Telecommunication and Information Engineering**<br>Provide access to many of the new technologies of mobile, radio, rural and remote communication facilities for voice, data, facsimile, email, internet and video/data. |

| | |
|---|---|
| **School of Mechanical, Manufacturing and Materials Engineering (SoMMME)** | **Bachelor of Science in Nautical Science (4-Years) – NEW!!!!!!**<br>Teaches the theory and practice of operating and navigating ships. Keys areas include navigation, seamanship, ship stability, cargo handling, maritime law, and safety. Career paths may include deck officers in the merchant navy or broader maritime industry. |
| | **BSc. in Marine Engineering**<br>Provide qualified manpower that can develop and maintain ship propulsion units, ship structures and all support machinery, as well as initiate manufacturing projects or improve existing maritime operations |
| | **BSc. in Mechanical Engineering**<br>Emphasize on application of mechanical engineering concepts particularly in design and manufacturing mainly in automotive or production engineering. |
| | **BSc. in Mechatronic Engineering**<br>Give a thorough understanding of modern engineering and manufacturing combined with specialist skills in electronics and computer based technology. |
| | **BSc. in Materials and Metallurgical Engineering**<br>Activities range from primary materials production, including recycling, design and development of new materials, reliable and economical processing/manufacturing for the final product. |
| | **BSc. in Aerospace Engineering**<br>Specialized in the design, production, and maintenance of aircrafts useful within and beyond the earth's atmosphere. |
| | **BSc. in Mining and Mineral Processing Engineering**<br>Process of taking mineral resources from the earth in response to man's need and separating valuable elements of material from unwanted waste material from the ore body, in the most economical way. |
| **School of Biosystems and Environmental Engineering (SoBEE)** | **BSc. in Chemical Engineering – NEW!!!!**<br>The program equips you with cutting edge skills in process design, reaction engineering, mass transfer and separations, thermodynamics, fluid mechanics, heat transfer and environmental sustainability. The hands-on practicals` will enable you tackle real-world challenges like biofuels production from agricultural waste, petrochemical processing, geothermal fluid processing, food processing optimization, water treatment and pharmaceutical development. This will enable you to harness Kenya's rich natural resources and growing industrial sector to create sustainable innovations.<br><br>**BSc. in Agricultural and Biosystems Engineering** |
| | Experts in bio-processing systems design, design and production of bio-processing machines and structures, waste management, irrigation and drainage engineering, soil and water conservation and environmental management. |
| | **BSc. in Water and Environmental Management**<br>Aim at producing graduates with the necessary knowledge and skills for sustainable land development and natural resources utilization. |
| | **BSc. in Energy & Environmental Technology**<br>Experts in sustainable exploitation and utilization of natural resources, especially harnessing and management of energy systems. |
| | **BSc. in Aquaculture Technology**<br>Graduates with skills for sustainable utilization and development of aquaculture resources in production systems to boost food security and nutrition. |

| | |
|---|---|
| **School of Architecture and Building Sciences (SABS)** | **Bachelor of Architectural Studies**<br>This is the First part of the Two-Tier programme comprising the Bachelor of Architectural Studies (4 Years) and the Bachelor of architecture (2 Years). It concerns both planning and designs of the built and natural environment. Emphasis is on art approach to design. Graduates can work as assistants to registered Architects, Project Managers, Contractors,, be part of project implementation teams; or pursue other professional degrees in design-related fields such as interior design, product design as well as Architectural Conservation; |
| | **Bachelor of Architecture**<br>This is the second part of the Two-Tier programme. Upon Successful completion, one can go for registration as an Architect :- Work as Graduate Architect under supervision of a Registered Architect; Be registered by the Board of Registration of Architects and Quantity Surveyors (BORAQS) as Architects upon successful completion of internship and passing a professional examination; Become a corporate members of Architectural Association of Kenya (AAK) after application and upon registration as an Architect by BORAQS. |
| | **Bachelor of Construction Management**<br>Involve overall planning, coordination and control of a construction project for timely completion within the Client's budget. Train in all aspects of construction processes and management from building through services engineering to infrastructure services (roads, water, waste water, ICT etc) and quantifying of construction projects. Graduates work in Building and civil eng. contractors, Architectural firms, Project management, Engineering firms, Project evaluation and costing firms, Quantity surveying firms, Contracting and consultancy, Sales and marketing, Production and manufacturing companies (maintenance), Property and facilities management, Energy sectors, Roads, Banking industries e.g mortgages. |
| | **Bachelor of Quantity Surveying**<br>Quantity surveyors manage the costs on a construction project helping to ensure that the construction project is completed within its projected budget. They might:-<br>- price/forecast the cost of the different materials needed for the project<br>- prepare tender documents, contracts, budgets, bills of quantities and other documentation<br>- track changes to the design and/or construction work and adjust budget projections<br>- procure or agree the services of contractors who work on the construction of the project<br>- measure and value the work done on site<br>Graduates work in Building and civil eng. contractors, Architectural firms, Project management, Engineering firms, Project evaluation and costing firms, Quantity surveying firms, Contracting and consultancy, Sales and marketing, Production and manufacturing companies (maintenance), Roads, Banking industries e.g mortgages. |
| | **Bachelor of Real Estate**<br>Prepares graduates for work in property management (property administration, valuations). Acquaint students with the specifics of real estate law in relation to commercial, rental and private property. Helps students develop marketing strategies and introduce them to real estate investing. Graduates work in Building and civil eng. contractors, Architectural firms, Project management, Engineering firms, Project evaluation and costing firms, Quantity surveying firms, Contracting and consultancy, Production and manufacturing companies, Property and facilities management, Banking industries e.g mortgages. |
| | **Bachelor of Landscape Architecture**<br>Is an environment based profession to develop a taste for beauty, admiration for surrounding natural world, appreciation of natural environment habitats and at the same time a rejection of selfish oriented consumption attitudes. Focus majorly in: Architectural Communication, Planting Design, Site Planning, Landscape Engineering and Urban design. Graduates work in urban planning, conservation agencies, governments, private sector, etc. |

**"More details can be obtained at http://www.jkuat.ac.ke/colleges"**