



MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF MANAGEMENT

Statistics

The objective of an HND in statistics is to train managers who will be literate in the use of computers to treat data. The holder of this certificate will be an actor recognized in the management and analysis of statistics in medium-size enterprises and large companies; in the administration or research centers. He will be a privileged collaborator of hierarchy in the process of decision-making

Specific Skills:

- Should understand the determinants of purchase and sale in a competitive foreign market;
- Should know probabilities and statistics in mathematics;
- Can conceive, create, update and administer a data base;
- Can gather data, control the quality, organization and stockage, extraction and presentation of pertinent information, and analyze statistics and present the results.
- Monitor technology in his area of competence;
- Use specialized software for the statistical treatment of data;
- Respect the law when gathering, using and disseminating data and the results;
- Contribute in the conception of studies and investigations and to the realization of analysis of statistics;
- Develop programmes / statistics analysis software / or reporting;
- Analyze needs and carry out audit

****Requirement: GCE A Level or its equivalence **Duration: 2 years**



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF CIVIL ENGINEERING

Building Science and Technology

This specialty trains specialists in building construction and rehabilitation, equipping students with knowledge of various construction techniques and the process of completing projects. Graduates will be able to manage construction sites, ensuring progress, quality, and safety. They will develop skills in working independently or as part of a team, analyzing and synthesizing professional documents in both French and English, and communicating effectively in oral, written, and corporate contexts. Students will also participate in project management, utilize professional networks and institutions within the building sector, and apply their expertise to ensure successful project outcomes.

Specific Skills:

- Coordinate a construction site or a team of labor force in a construction site; -
- Elaborate the estimates/quotes;
- Draw setting out and architects plans, and interpret them
- Develop the briefings and prepare the records of work;
- Assist the engineer in the design office or at the construction site; - writing of reports on the construction site.

Career opportunities

- Head of construction site;
- Foreman;
- Draftsman; - person in charge of prices;
- Person in charge of transactions.

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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF CIVIL ENGINEERING

Wood Works : Carpentry

Carpentry is a skilled trade focused on cutting, shaping, and installing building materials for structures such as buildings, ships, timber bridges, and concrete formwork. This specialty trains professionals to work independently or collaboratively, analyze and synthesize professional documents in French and English, and communicate effectively in oral, written, and corporate settings. Graduates will also develop project management skills and engage with professional networks and institutions in the carpentry sector, ensuring efficiency and quality in their work.

Specific Skills:

- Blueprint Reading & Layouts** – Interpret blueprints, drawings, and sketches to determine specifications and ensure layouts comply with building codes.
- Material Handling & Assembly** – Measure, cut, shape, and assemble wood, wood substitutes, and lightweight steel for various structures.
- Construction & Installation** – Build foundations, erect walls and roofs, install floor beams, subflooring, doors, stairs, moldings, and hardware.
- Maintenance & Renovation** – Repair and renovate wooden structures in industrial, commercial, and residential settings.
- Supervision & Cost Estimation** – Supervise apprentices and workers while preparing accurate cost estimates for clients.

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SCHOOL OF CIVIL ENGINEERING

Civil Engineering Technology

Specific Skills:

- Design simple structural elements and prepare detailed drawings of such elements with minimum supervision;
- Carry out accurate interpretation of technical data related to Civil Engineering works;
- Test, analyse and interpret the result of materials tested for Civil Engineering works;
- Design simple transportation schemes and prepare working drawings for their construction;
- Supervise civil engineering construction works;
- Design simple water and waste water schemes and distribution networks;
- Prepare Bill of Engineering Measurements and Evaluation (BEME) and specifications for Civil Engineering works;
- Operate and maintain water works, waste water and solid waste installation and irrigation projects;
- Carry out environmental engineering and pollution control studies.

Career Opportunities

- Site manager;
- Drafting designer of public works structures;
- In charge of general affairs
- Work leader;
- Price manager;

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SCHOOL OF CIVIL ENGINEERING

Wood Works : Joinery and Cabinetmaking

This specialty trains senior technicians to develop and industrialize wood-based products while solving technical challenges. Graduates will work in workshops and construction sites, handling wood, aluminum, glass, and plastics. They will manage projects, analyze professional documents in French and English, communicate effectively, and utilize industry networks to enhance career opportunities

Specific Skills:

Technical Problem-Solving – Address challenges related to the implementation of wood and its derivatives in construction and manufacturing.

Industrialization & Production Management – Participate in studies for industrialization, manage production, organization, planning, and quality improvement.

Human Resource Development – Optimize workforce management to enhance efficiency and productivity in wood-based industries.

Building Joinery & Construction – Design and install stairs, partitions, closures, floor and wall coverings for various construction projects.

Interior & Urban Furniture Design – Create and assemble furniture, cupboards, store layouts, bathrooms, kiosks, and playground structures.

Career opportunities : Arranger of kitchens and bathrooms; - Person in charge of sawmill;

- Person in charge of scheduling; - Technician in the manufacture of furniture and joinery; - Quality assistant

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SCHOOL OF CIVIL ENGINEERING

Planning

This specialty trains professionals to design and manage development projects for habitat, public spaces, and communal planning. Graduates will master computer tools, uphold ethics, work in teams, understand organizations, and operate in multicultural settings. They will also apply data collection techniques, ensure job security, and pursue continuous professional growth.

Specific Skills:

- Master the study and execution of urban development projects both in design offices and on-site.
- Develop strong foresight and synthesis skills for effective urban planning.
- Assess demographic changes for accurate infrastructure and equipment planning.
- Address environmental degradation and educate on sustainable solutions.
- Analyze site data and produce technical documentation for project implementation.

Career Opportunities

- Head of construction site;
- Draftsman of public works structures;
- Works leader;
- In charge of general business of public Works structures.

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SCHOOL OF CIVIL ENGINEERING

Sanitary Installations and Plumbing

This specialty has as objective to train senior technicians operating in two specific areas: sanitation and the management of water chain (capture, pipelines, storage, disinfection... construction of latrines).

Specific Skills:

- Design a draft project of the installation in establishing a quotation and participating in dialogue with the client;
- Study the specifications by performing the calculations of execution and choosing the material;
- Build the infrastructure and all Supply Systems: Techniques of drilling, digging of wells, tracing and establishment of networks of drinking water or irrigation;
- Create the drainage systems, install latrines and sewers;
- Carry out the testing of equipment installed and put them in a state of operation;
- Realize repair work (repair of taps, resolution of problems of leakage of water, replacement devices...) related to the normal wear and tear or obsolescence of the facilities.

Career opportunities

- Designer in sanitary installation;
- Technician for commissioning;
- Plumber
- Maintenance agent;
- Design office technician;

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SCHOOL OF MECHANICAL ENGINEERING

Boiler Making and Welding

This program trains senior technicians in designing, manufacturing, inspecting, and maintaining industrial boilerwork for chemical tanks, railway wagons, power plant boilers, shipbuilding, and infrastructure. Graduates gain skills in teamwork, technical analysis, bilingual communication, project management, and professional networking, ensuring quality and safety in industrial fabrication and maintenance.

Specific Skills:

- Designing and implementation of metal assembly plans;
- Mastery of metal assembly and welding techniques (welding, pointing, clip Rivet, glue,...);
- Mastery of metal cutting (plates, tubes, metal profile);
- Giving the desired shape to the element through bending, bowing, roll bending, planishing, cupping...
- Ensuring the maintenance of damaged facilities.

Career opportunities

- Aeronautics Boilermaker
- Technician;
- pipefitter.
- Stainless steel boilermaker on;
- Industrial boilermaker technician;

****Requirement:** GCE A Level or its equivalence ****Duration:** 2 years



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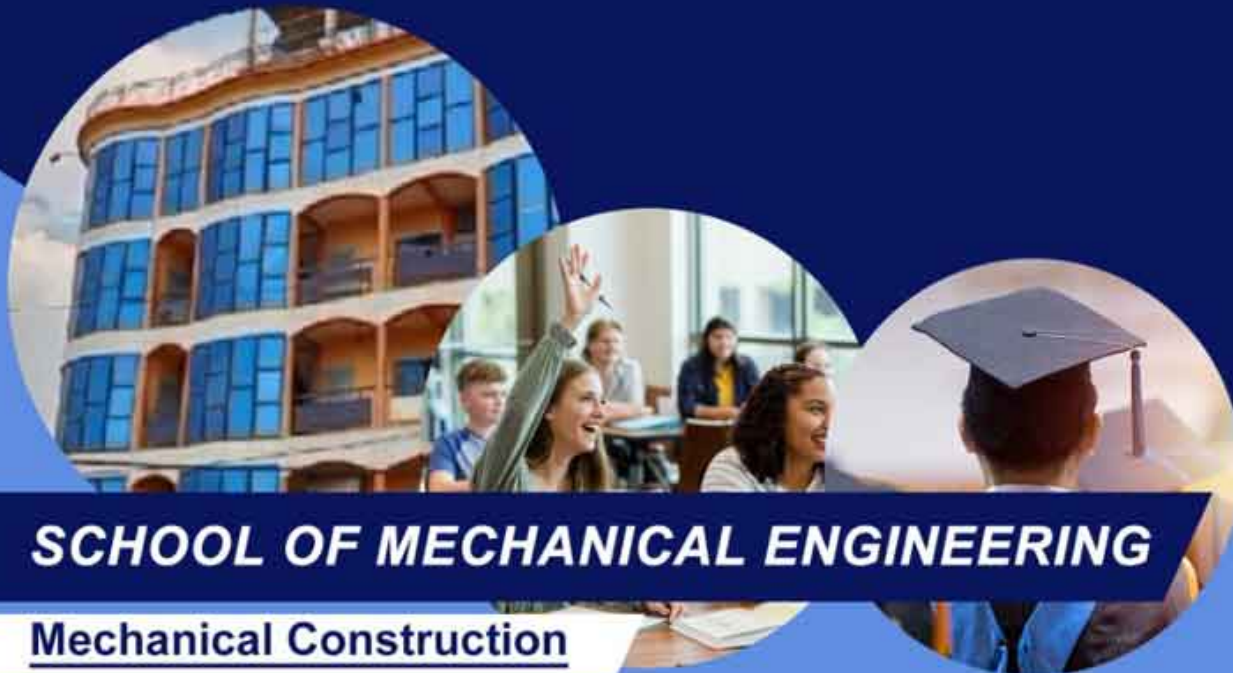
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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF MECHANICAL ENGINEERING

Mechanical Construction

This program trains technicians to design mechanical products for industries like automotive, aviation, and biotechnology. Graduates develop skills in teamwork, technical analysis, bilingual communication, project management, and professional networking. They contribute to engineering innovations in construction machines, engine parts, gearboxes, and industrial and consumer goods.

Specific Skills:

- Carrying out maintenance operations;
- Modeling of work pieces to be produced;
- Designing of prototypes, evaluation of associated cost, carrying out product control and testing before its launching on the production line;
- Knowledge of the various technical solutions enabling the creation of a product corresponding exactly to predefined needs
- Carrying out necessary calculations and mastering technical drawing using a computer (CAD).
- Organizing maintenance activities;
- Conducting and supervising intervention groups

Career opportunities

- Authorized dealer(concession)
- Integrated circuit designer;
- Design office Technician for automobile, aviation industries
- Authorised Repairer (trademark agent)
- Technical catalog designer;

****Requirement: GCE A Level or its equivalence **Duration: 2 years**



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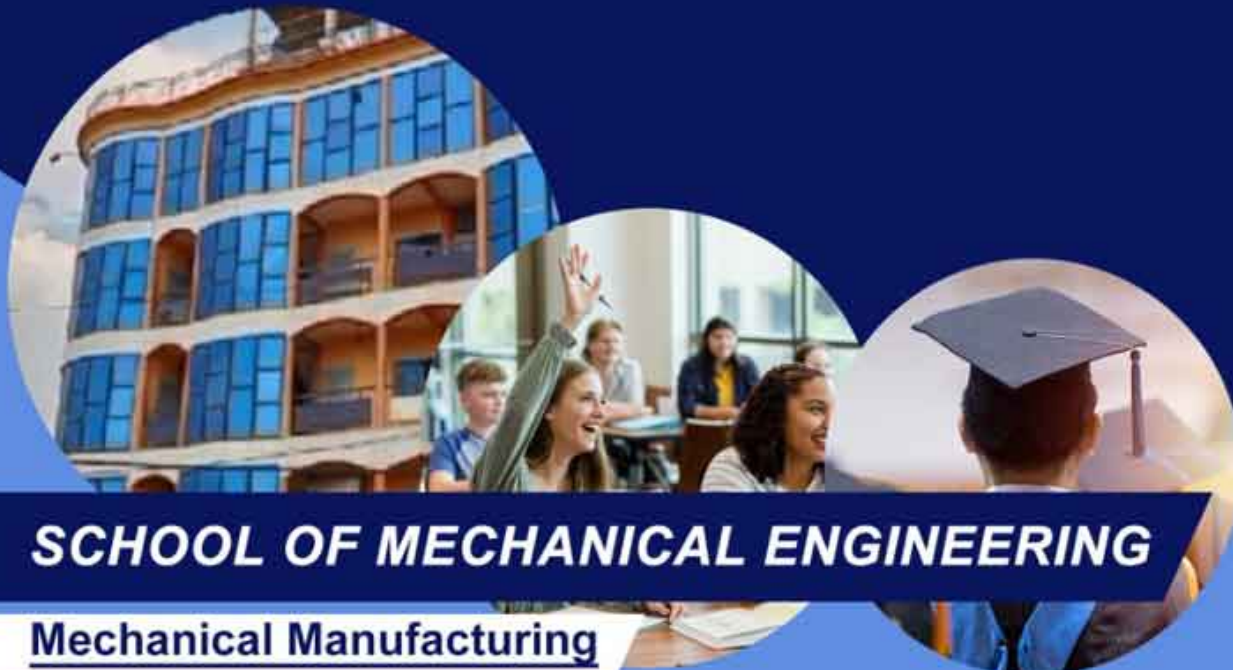
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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF MECHANICAL ENGINEERING

Mechanical Manufacturing

This specialty focuses on equipping professionals with skills for producing mechanical equipment and designing diverse mechanical components, while ensuring quality control. Graduates will work independently or collaboratively, analyze and synthesize professional documents in French and English, and communicate effectively in both oral and written forms. They will participate in project management, utilize industry networks, and leverage institutions in the mechanical construction and manufacturing sectors to enhance their expertise.

Specific Skills:

- Conduct a complex manufacturing study;
- Mastering of ICT tools related to mechanical manufacturing;
- Manage a mechanical manufacturing analysis project;
- Computer programming for digital controlled mechanical manufacturing machines;

Career opportunities

- Mechanical manufacturing Technician
- Metallurgical Technician;
- Designer;
- Steel metallurgist.

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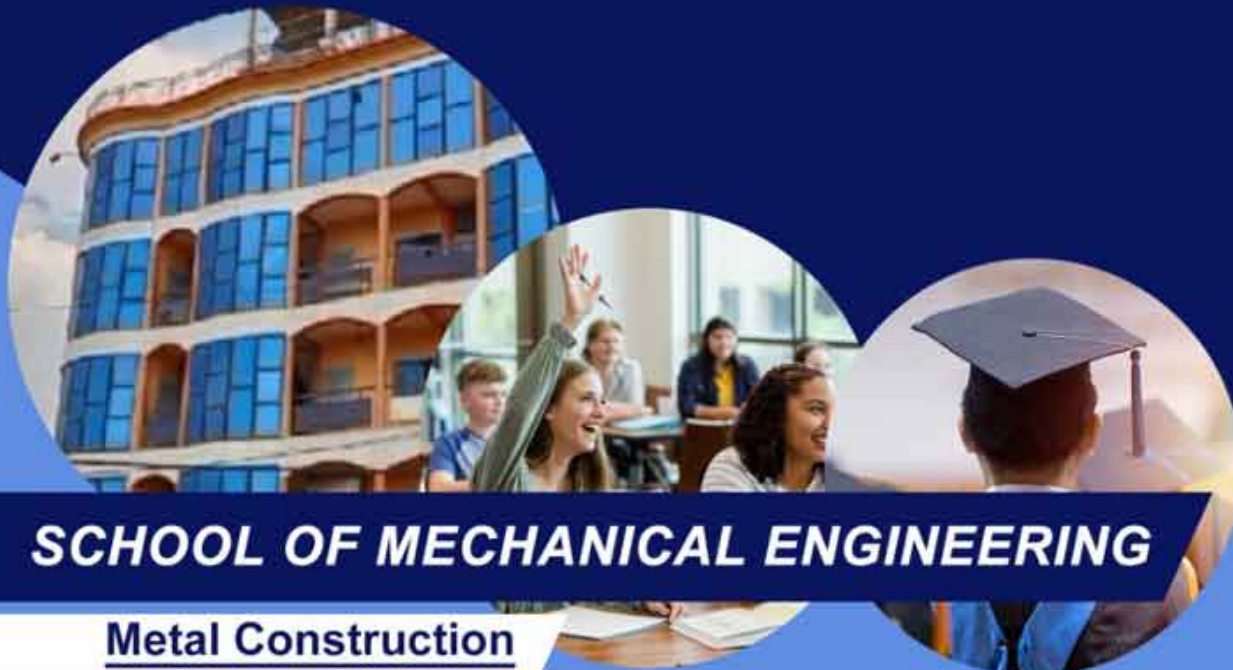
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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF MECHANICAL ENGINEERING

Metal Construction

This specialty aims at training senior technicians for designing, performing, managing/ conducting and commercialisation of metal structures (bridges, towers, railways, airports, factories, locks, ports, silos, oils rigs, metal framework buildings).

Expected Skills Generic skills

- Work independently, collaborate as a team;
- Analysis and synthesis of professional documents (French, English);
- Oral, written and corporate communication skills within and without (French, English);
- Participate /engage in the management of the project;
- Know and make use of professional networks and institutions of metal construction sectors.

Specific Skills:

- Analyze the material means necessary to the achievement of the work;
- Streamline the Production and perform the quality control;
- Perform the calculation notes, design drawings in CAD/CAO and plans;
- Determine the estimated cost of a book and establish an estimate

Career opportunities

- Work supervisor; - Construction executive; - Production manager in manufacturing facilities.

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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

Control, Instrumentation and Regulation (CIR)

This program trains specialists in designing, installing, programming, controlling, optimizing, and maintaining electrical installations. Graduates develop skills in teamwork, bilingual communication, project management, and utilizing professional networks, preparing them to manage and ensure the efficiency, safety, and performance of electrical systems across various industries.

Specific Skills:

- Design, supervision of the installation;
- Programming and commissioning of all or part of industrial control and automatic regulation systems;
- Maintenance, evolution and optimization of all or part of industrial control and automatic regulation system;
- Research and validation of new technologies to optimize necessary measures for production;
- Feedback analysis: experimental data.

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SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

Electrical Power Systems

This program trains electric utility workers in system design, operation, equipment, and safety. Students specialize in line construction, metering, substation, or system design. Graduates gain skills in teamwork, technical analysis, bilingual communication, project management, and professional networking, preparing them for careers in the electricity sector.

Specific Skills:

- Explain all of these points in detail and provide you with the skills and knowledge necessary to calculate fault currents,
- Select relays and associated instrument transformers appropriate to each typical system or equipment. - You will also learn how to adjust the setting of the relays so that the relays closest to the fault will operate and clear the fault faster than the backup devices.

Career opportunities

- Research and development industries,
- Manufacturing
- Design office designer;
- After Sales Service Manager;
- Engineer assistant (measurements, tests and controls);
- Engineering services firms,
- Maintenance technician installing electronic systems;
- Team leader in production unit;
- Industrial production companies;

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SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

Electronics

This specialty prepares professionals for maintaining production, energy, fluid, and wind systems. They perform corrective and preventive maintenance, enhance operational safety, and manage system failures. Key skills include teamwork, communication, project management, and industry networking. Graduates analyze technical documents in French and English, ensuring system reliability and efficiency. They optimize performance in industrial and energy sectors, integrating safety measures and sustainable practices to minimize downtime and improve operational effectiveness across various technical domains.

Specific Skills:

- Analyze existing electronic systems; - Test and validate of electronic equipment or product;
- Maintain and install equipment or product in operation;
- Apply new technological solutions from the existing and new specifications;
- Detect faults, dysfunctions and establish the repair plan;
- Exchange electronic knowledge

Career Opportunities

- Technician of Maintenance and installation of electronic systems; - Design office Manager;
- Team leader in production unit; - Assistant Engineer (measurements, tests and controls);

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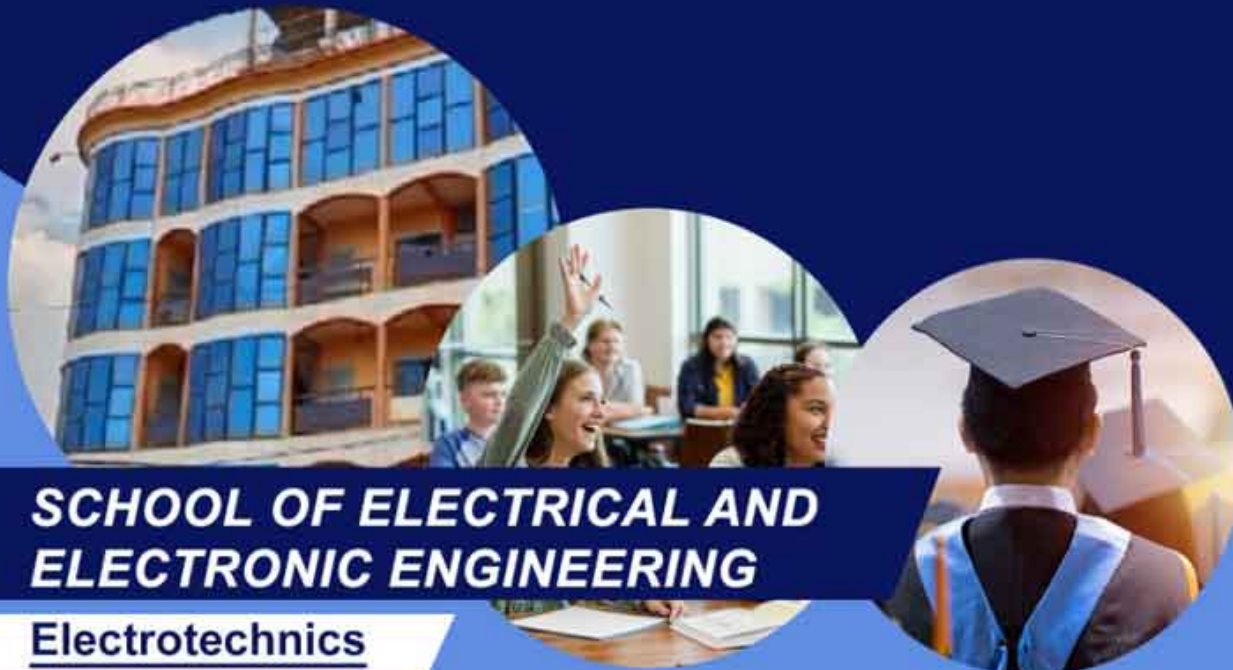
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SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

Electrotechnics

This specialty trains experts in the study, implementation, use, and maintenance of electrical equipment and networks. With advancing computer and electronic technologies, modern systems integrate hydraulics, pneumatics, and optics. Students gain technical expertise to design, construct, and manage electro-technical systems used in assembly lines and complex operations. Key skills include teamwork, communication, project management, and industry networking. Graduates ensure efficiency, reliability, and innovation in electrical systems across various industrial and technological sectors.

Specific Skills:

- Realize home and industrial electrical installation
- Operate power and current conversion;
- Understand and operate electronic modules for process control;
- Carry out maintenance and maintenance work on the processing and production lines
- Ensure home automation and fire safety - Lead and realize a project in electricity

Career Opportunities

- Technician in charge of study
- Maintenance technician
- Test technician
- Construction technician in electrical installation
- Electromechanical
- Head of after-sales services.

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