



MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING

Maintenance of Industrial System (MIS)

This program trains senior technicians to maintain and optimize complex machines in industrial production, utilizing CAD, industrial robotics, and CAM. Graduates develop skills in independent and team work, bilingual communication, project management, and professional networking, ensuring efficiency and high productivity in modern production environments.

Specific Skills:

- Analyze equipment operation and carry out maintenance work;
- Organize and optimize maintenance activities;
- Design solutions for improvement and integration of equipment and adaptation for the installation of new components;
- Check and regularly monitor equipment (preventive maintenance);
- Have control of computer-assisted maintenance management (CMMS);
- Propose solutions to optimize the security and performance of equipment

Specific Skills:

- Design office designer;
- Office Methods Supervisor;
- Engineering Assistant;
- Maintenance manager;
- Quality control and Technical sales agent

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



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF COMPUTERS ENGINEERING

Computer Engineering

Software Engineering

This specialty trains senior technicians to analyze societal needs, design, and implement computer applications using MERISE and UML. Graduates gain skills in teamwork, project management, business communication (French, English), and professional networking. They can work independently or collaboratively, effectively analyzing, synthesizing, and managing IT projects across various fields.

Specific Skills:

- Design and develop computer applications; - implement and ensure the maintenance of computer programs;
- Develop software or systems based on software by following professional standards adequately;
- Put in place and customize distributed applications;
- Diagnose the main faults affecting the computer system and replace defective parts; plan, monitor and control a computer project

Career Opportunities

- | | | |
|-----------------------|------------------------------|------------------------------|
| - Head of IT project; | - Cyber Security expert; | - Machine Learning Engineer; |
| - Python Developer | - Java Developer | - Cloud Developer |
| - Software Consultant | - Developer of applications; | - System Administrator |

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



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF COMPUTERS ENGINEERING

Computer Engineering

Computer Science and Networks

The Computer science and networks programme is designed to produce computer personnel capable of applying the use of computer in most areas of data analysis.

Outlets

Technician in design office; Application developer; System and network integrator; Computer Systems installer; Computer park manager; Hot liner; Computer system administrator; Local network administrator;

****Requirement: GCE A Level or its equivalence**

****Duration: 2 years**



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF COMPUTERS ENGINEERING

Computer Engineering

Data Based Management

This specialty trains senior technicians who, with the help of their capability to study the needs of the society, can analyse (MERISE, UML), design and implement database of all types.

Outlets

Head of IT project; Software Consultant; Developer of applications; System Administrator.

****Requirement: GCE A Level or its equivalence**

****Duration: 2 years**



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SCHOOL OF COMPUTERS ENGINEERING

Computer Graphics and Web Design

The HND Computer Graphic and Web Design is a meticulously crafted program designed to equip students with an extensive skill set in both visual communication and technical web development. This two-year program strikes a perfect balance between creativity and technology, ensuring that graduates are not only well-versed in the artistic aspects of design but also in the practical and technical aspects of web development. Students embark on a journey that begins with the foundational principles of graphic design and web technologies. The curriculum covers a broad spectrum of topics, including HTML, CSS, JavaScript, PHP, and database management, alongside industry-standard tools such as Adobe Illustrator, Photoshop, and After Effects. This comprehensive approach ensures that students are capable of creating visually appealing and user-friendly websites and applications. Throughout the program, students will engage in hands-on projects and practical assignments that simulate real-world scenarios. This practical approach allows students to apply their knowledge and hone their skills in a controlled environment, preparing them for the challenges of the professional world. The inclusion of courses on sound recording, video editing, and multimedia production further broadens their expertise, making them versatile professionals who can handle various aspects of digital media production.

****Requirement: GCE A Level or its equivalence**

****Duration: 2 years**



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF COMPUTERS ENGINEERING

Computer Maintenance

This program trains senior IT technicians to maintain, repair, and install computer systems while providing user support. Graduates develop teamwork, communication, and project management skills in French and English. They also learn to analyze technical documents and leverage IT networks, ensuring their effectiveness in professional environments.

Specific skills

- Diagnose remotely a computer hardware or software malfunction;
- Identify the resources needed to resolve the malfunction and refer the call if necessary (on-site maintenance, specialized technician ...);
- Guiding the user to resolve the malfunction or take control at a distance;
- Change or repair a defective item or assembly;
- Configure the workstation as needed by the user and perform functional tests;
- Perform cleaning and adjustment operations on materials and equipment

Specific skills

- | | | |
|---|--|----------------------|
| - IT Project Manager; | - IT Developer; | - Network Architects |
| - Computer Hardware Engineer | - Computer Operator | |
| - Computer and Information Research Scientist | - Automatic distribution maintenance technician. | |

**Requirement: GCE A Level or its equivalence

**Duration: 2 years



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SCHOOL OF COMPUTERS ENGINEERING

E-Commerce and Digital Marketing

HND in E-Commerce and Digital Marketing places the holder at the forefront in transforming the business model of most businesses in Cameroon to have an Internet Outlet. Studies reveals that many offline businesses are seeking for an Internet presence to promote their brands. This shows the demand for E-commerce marketers and Brand Promoters will rise and continue rise in the next coming years. E-commerce experts ensure that the content of an e-business website is up-to-date, attractive, easy to navigate. They use different methods to pull traffic to a website. These professionals provide all essential IT support for managing and developing online stores and implementing new online strategies to promotes sales. E-Commerce jobs may have the following job descriptions and titles.

Career opportunities

- E-Commerce Manager
- Internet Sales Associate
- Online Merchante
- Business Analysts
- E-Commerce Project Manager

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****Duration:** 2 years



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF COMPUTERS ENGINEERING

Hardware Maintenance

This program trains senior IT technicians to maintain, repair, and install computer systems while providing user support. Graduates develop teamwork, communication, and project management skills in French and English. They also learn to analyze technical documents and leverage IT networks, ensuring their effectiveness in professional environments.

Specific skills

- Diagnose remotely a computer hardware or software malfunction; Identify the resources needed to resolve the malfunction and refer the call if necessary (on-site maintenance, specialized technician)
- Guiding the user to resolve the malfunction or take control at a distance;
- Identify the phases of intervention from the information of the help desk diagnosis, the hot line, the manufacturer's files;
- Change or repair a defective item or assembly;
- Configure the workstation as needed by the user and perform functional tests;
- Perform cleaning and adjustment operations on materials and equipment.

Career opportunities

- IT Project Manager;
- IT Developer;
- Automatic distribution maintenance technician.
- Computer Hardware Engineer
- Computer Operator
- Computer and Information Research Scientist

****Requirement:** GCE A Level or its equivalence

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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF COMPUTERS ENGINEERING

Industrial Computing and Automation

This specialty trains senior technicians to design and implement automated industrial systems. They analyze specifications, choose technical solutions, ensure reliability, and maintain equipment. Graduates develop teamwork, leadership, and project supervision skills while effectively presenting their enterprise to clients, making them essential in industrial automation and plant supervision.

Specific Skills

Industrial Automation & Software Development – Develop software for machine control, robotics, and production optimization.

System Integration & Communication – Ensure seamless interaction between all elements in a production chain.

Collaboration & Project Management – Work closely with engineers, project heads, and end-users to analyze needs and implement solutions.

Technical Expertise – Choose appropriate hardware, programming languages, and manage computer-aided production systems.

Equipment Mastery & Optimization – Maintain, troubleshoot, and enhance production processes for efficiency and reliability.

Career opportunities: - Work in production chain industries, - Servicing companies

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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF NETWORKS AND TELECOMMUNICATION

Network and Security

This specialty trains senior technicians capable to:

- Identify the key issues for the realization of the LAN/WAN/MAN network architectures and the hybridized existing form in the business environment and enterprise.
- Link different network performance concepts and traffic issues for Quality of Service (QoS) in broadband communication as well as the network economics of the enterprise.
- Motivate the need for network security practices in organizational units.
- Build foundations to assess contemporary security policies and security mechanisms within organizations and illustrate the balance of the managerial and technical aspects of network security

Outlets

- Servicing companies and manufacturing networks equipment;
- Telecommunication operators and Internet service providers;
- Controller of the information system of an enterprise;
- Telephone installers;
- Servicing companies and Computer Engineering

****Requirement:** GCE A Level or equivalence

****Duration:** 2 years



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF NETWORKS AND TELECOMMUNICATION

Telecommunication

This specialty trains senior technicians to ensure the implementation, administration and maintenance of any network or telecommunications equipment. Their skills in the different technologies of information transmission as well as the in-depth knowledge of the protocols of the different communication networks allow them to design in a team of network architectures or complete telecommunication installations and to optimize them.

Outlets

Senior Technician in Service Companies and Network Equipment Manufacturers; telecom operators and internal access providers; Telephony installers; Computer Services and Engineering Companies (SSII), etc

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****Duration:** 2 years



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF WATER ENGINEERING AND MANAGEMENT

Hydraulic Engineering and Water Infrastructure

This specialty trains senior technicians in water treatment, transport, distribution, and sanitation. Graduates ensure the efficient operation of treatment plants, overseeing water capture, purification, and distribution for consumption or industrial use. They master computer tools, data collection, and processing techniques while upholding professional ethics. Key competencies include teamwork, understanding organizational structures, working in multicultural environments, and managing businesses. Continuous learning, research implementation, and job security awareness enable long-term professional growth in the water management sector.

Specific Skills

- Technical management of the structures (control and operation of network operating installations, maintenance);
- Information management; Study and technical supervision; Quality assurance; Responsible for a business unit in a large company

Career Opportunities

- Decentralized territorial units Water distribution companies;
- Consultancies and research teams;
- Suppliers of materials, specialized agencies and administrative units.

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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF WATER ENGINEERING AND MANAGEMENT

Hydrology and Water Resources Management

Hydrological education develops competence in measuring, analyzing, and applying hydrological data for water resources planning. It fosters proficiency in computer tools, teamwork, ethics, multicultural collaboration, and business management. Skills include data processing, research implementation, and job security awareness, promoting continuous learning and professional growth in hydrology and water resource management.

Specific Skills

Sustainable Water Management – Develop skills to mitigate human impacts on water resources and address water-related natural hazards.

Hydrological Modeling & Analysis – Design simulation models, analyze time-space data, and apply quantitative methods for system balancing.

Applied Scientific Knowledge – Transform theoretical understanding into practical, numerical, and analytical solutions for hydrological challenges.

Data Collection & Experimentation – Master standard methods of data gathering, experiment design, and hydrological analysis.

Career Opportunities

Hydrologist-Responsible position in planning offices and engineering companies, industrial enterprises, public authorities; International development cooperation

****Requirement:** GCE A Level or equivalence

****Duration:** 2 years



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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF WATER ENGINEERING AND MANAGEMENT

Waste Water Management

This program equips professionals with expertise in Wastewater Management Technology (WWM) and research-driven solutions. Graduates master data analysis, computer tools, and ethical practices. Key skills include teamwork, business management, and multicultural collaboration. Emphasizing research and continuous learning, it prepares individuals for sustainable wastewater treatment and environmental management careers

Specific Skills

- Adequate to solve practical problems relating to waste and water management, Knowledge and practical skills with respect to Waste and Water Management technology (WWM);
- Acquire techniques on the treatment of waste by incineration and the thermal treatment;
- Analyze land filling system as a waste treatment method to the students;
- Diagnose and identify practical bottleneck;
- Potential processing and storage contaminants

Career Opportunities

Waste management officers (engineers and technicians):

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MALUKU GROUP OF INSTITUTIONS (MARTIN LUTHER KING UNIVERSITY)



SCHOOL OF HEALTH AND BIOMEDICAL SCIENCES

Health Care Management

This training aims to put on the job market professionals able to analyze a health situation, to make decisions within the limits of their competence and to carry out interventions alone or multidisciplinary team

Outlets

Hospitals
Public and private clinics;
NGOs (Non Governmental Organizations)
Agribusiness
Occupational Medicine
Research and training
Self-employment.

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