

## DIPLOMA IN AERONAUTICAL ENGINEERING (AIR FRAMES AND ENGINES OPTION)

### Course Objectives:

The training prepares graduates for a career in aircraft maintenance

### Course Content:

- Engineering mathematics
- Airfield and Safety procedures
- Industrial Organization and Maintenance
- Trade and Entrepreneurship Project
- Flight Mechanics
- Airframe Technology
- Aircraft Propulsion

Among the various areas of employment are:

- Aircraft maintenance organizations e.g. Kenya Airways, Fly 540, Emirates
- Civil Aviation Aircraft Inspectors e.g KCAA
- Military
- Flight Crew

Successful trainees acquire the title of an Airframes and Engines Technician.

Airframes and Engines technicians typically do the following:

- Performing preventive maintenance checks and services on aircraft components and systems, such as brakes, hydraulic lines, fuel lines, etc.
- Inspecting aircraft parts to ensure they meet safety regulations
- Repairing damaged components using fabrication methods such as welding, machining, and sheet metal work
- Performing inspections of aircraft structures, systems, and components such as engines, fuel systems, landing gear, and hydraulics
- Keep records of maintenance and repair work

The course Duration is three (3) years divided into modules i.e. Mod I, Mod II and Mod III.

The KNEC Modular program requires the trainee to sit for a KNEC exam at the end of each module in order to progress to the next module.

Examining body is the Kenya National Examinations Council

Minimum entry qualification is mean grade C- in KCSE.

Other requirements: Math/Physics C- English C-

Intakes: MAY, SEPTEMBER

## DIPLOMA AERONAUTICAL ENGINEERING (AVIONICS)

### Course Objectives:

The training prepares graduates for a career in aircraft maintenance

### Course Content:

- Engineering mathematics
- Airfield and Safety procedures
- Industrial Organization and Maintenance
- Trade and Entrepreneurship Project
- Telecommunication Principles
- Communication & Navigation Systems
- Digital Principals & Microprocessors

Among the various areas of employment are:

- Aircraft maintenance organizations e.g. Kenya Airways, Fly 540, Emirates airlines, etc.
- Civil Aviation Aircraft Inspectors e.g. KCAA; Airport Ground
- Military
- Flight Crew etc.

Successful trainees acquire the title of an Avionics Technician.

Avionics technicians typically do the following:

- Test electronic instruments, using circuit testers, oscilloscopes, and voltmeters
- Interpret flight test data to diagnose malfunctions and performance problems
- Assemble components, such as electrical controls and junction boxes, and install software
- Install instrument panels, using hand tools, power tools, and soldering irons
- Repair or replace malfunctioning components
- Keep records of maintenance and repair work

The course Duration is three (3) years divided into modules i.e. Mod I, Mod II, Mod III.

The KNEC Modular program requires the trainee to sit for a KNEC exam at the end of each module in order to progress to the next module.

Minimum entry qualification is mean grade C- in KCSE.

Other requirements include: Math/Physics C- English C-

Intakes: MAY, SEPTEMBER

## DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING (TELECOMMUNICATIONS OPTION)

### Course Objectives:

The training prepares graduates for a career in maintenance of telecommunication systems

### Course Content:

- Engineering mathematics
- Industrial Organization and Maintenance
- Trade and Entrepreneurship Project
- Telecommunication Principles
- Communication & Navigation Systems
- Digital Principals & Microprocessors
- Microcontroller Technology
- Communication Systems

Among the various areas of employment are:

- Telecommunication corporations
- Communication Navigation and Surveillance organizations eg KCAA
- Transmission stations
- Broadcasting corporation
- Defense forces

Successful trainees acquire the title of a Telecommunication Technician.

Telecommunication technicians typically do the following:

- Installing, maintaining, and servicing voice and data communication circuits, security cameras, panic systems, door access, and cabling
- Perform system testing and troubleshooting as required
- Repair or replace malfunctioning components
- Keep records of maintenance and repair work

The course Duration is three (3) years divided into modules i.e. Mod I, Mod II, Mod III.

The KNEC Modular program requires the trainee to sit for a KNEC exam at the end of each module in order to progress to the next module.

Minimum entry qualification is mean grade C- in KCSE.

Other requirements include: Math C-, Physics C- English C-

Intakes: MAY, SEPTEMBER

## DIPLOMA IN FLIGHT DISPATCH

### Course Objectives:

The training equips students with Skills and expertise to meet the industry's requirements in Aviation Safety, Aviation Security in exercising excellent flight planning duties

At the end of this Course, participants will be able to demonstrate excellent safety precautions and flight guidance skills.

### Course Content:

- Meteorology
- Flight Monitoring/ Aircraft Performance
- Aircraft General Knowledge
- Flight Planning
- Operations Control Procedures
- Human Factors
- Air Traffic Management
- Communication/ Civil Airlaw
- Mass & Balance/ Navigation

### Employment opportunities

- Commercial Airlines as flight dispatch officers
- Commercial Airlines as flight dispatch planners
- Ground Handling Agencies

Examining body is EAST AFRICAN SCHOOL OF AVIATION On successful completion, the graduate attains

- EASA Diploma in Flight Dispatch

Successful trainees acquire the title of a Flight Dispatch Officer Minimum

Entry Requirement: KCSE C

Intakes: JAN, SEPTEMBER

Duration is 1 year

## IATA DIPLOMA IN TRAVEL AND TOURISM

### **Course Objectives:**

The training prepares students for a career in airline passenger reservations, airport Check in duties, tour operations, Events Management and a wide range of business and leisure travel professions.

### **Course Content:**

- Air Fares and Ticketing
- Itinerary planning
- Travel formalities/ Airport DEP & ARR procedures
- Tour production / Cruise holidays
- Hotel services/ Events Management
- Car Hire/ Rail / Coach transport

Among the various areas of employment are:

- Airline Reservations / Travel Agencies
- Airport Check In / Passenger Ground Handling
- Tour Operators/ Destination selling
- Hotel/ Accommodation Reservation
- Guest Relations Officers/ Customer Service Officers
- In-House Corporate Travel Consultants

Examining body is the International Air Transport Association – IATA 3 Diploma levels

- IATA Travel and Tourism Foundation with Galileo
- IATA Travel and Tourism Consultant
- IATA Managing the Travel Business

Successful trainees acquire the title of a Travel Consultant

### **Duration**

6 months

**Intakes:**

January, May & September

**IATA CERTIFICATE IN AIRLINE CABIN CREW****Course Objectives:**

The training equips students with Skills and expertise to meet the industry's requirements in Aviation Safety, Aviation Security and excellent customer service as well as relevant competencies for the career. At the end of this Course, participants will be able to demonstrate excellent safety, security and customer service knowledge.

**Course Content:**

- Air Transport and Flight Operations
- Crew responsibilities and cooperation
- Managing abnormal and emergency situations
- Medical emergencies onboard the aircraft
- Dangerous goods
- Aviation Security
- Airline catering and on-board retail services

**Employment opportunities:**

- Commercial Airlines as cabin crew
- Corporate Airlines as VIP cabin crew
- Hotels as guest relations personnel
- Airports as customer service agents.

Examining body is the International Air Transport Association – IATA.

On successful completion, the graduate attains an IATA Certificate in Airline Cabin Crew.

Successful trainees acquire the title of a Purser/Cabin Crew/Steward (ess)/Inflight Attendant.

**Duration**

6 months

**Intakes:**

January, May & September

**IATA DIPLOMA IN AIR CARGO MANAGEMENT**

**Course Objectives:**

The training prepares students for a career in airline/ sea/ road cargo reservations, in adherence to proper packaging, documentation, warehousing and shipping of mail, parcels and cargo.

**Course Content:**

- Operations of freight forwarders and airline cargo units.
- Standard cargo acceptance procedures and document completion
- Cargo rating principles and loading procedures.
- Apply the IATA Dangerous Goods Regulations correctly
- Understand the legal requirements and responsibilities of shippers, agents and airlines.
- Properly packed, marked and labeled
- Shipper's Declaration for Dangerous Goods.

**Employment opportunities:**

- Airline Cargo Acceptance
- Air cargo processing
- Warehouse management Staff
- Customs clearance for both air and sea ports
- Procurement and Store keeping facilities
- Non-Governmental Organizations

Examining body is the International Air Transport Association–IATA 3 levels are;

- IATA Diploma in Air Cargo Introductory Service

- IATA Certificate Course in Dangerous Goods Regulations
- IATA Certificate Course in Advanced Air Cargo Rating and Marketing.

Successful trainees acquire the title of a Cargo Consultant.

**Duration**

6 months

**Intakes:**

January, May & September

**EASA DIPLOMA IN TRAVEL AND TOURISM MANAGEMENT**

**Course Objectives:**

The training prepares students for a career in airline passenger reservations, airport Check-In duties, tour operations, Events Management and a wide range of business and leisure travel professions.

**Course Content:**

- Air fares and ticketing
- Itinerary planning
- Travel formalities/ Airport DEP & ARR procedures
- Tour production / Cruise holidays
- Hotel services/ Events Management
- Car Hire/ Rail / Coach transport

**Among the various fields of employment are;**

- Air reservations / Travel agencies
- Airport Check In / Passenger Ground Handling
- Tour Operators/ Destination selling
- Events Management companies
- Car Hire, Rail Transport, Coach Transport firms
- Hotel/ Accommodation Reservation



- Guest Relations Officers/ Customer Service Officers
- In-House Corporate Travel Consultants

The student has option of sitting for IATA (the Association of Airlines World-Wide that decide & set guidelines on the Commercial activities of Airlines) exam  
Examining body is EAST AFRICAN SCHOOL OF AVIATION.

On successful completion, the graduate attains

- Diploma in Travel and Tourism Management

Minimum Entry Requirement: KCSE C

**Intakes:** January, May & September

### **Duration**

2 years

## EASA DIPLOMA IN AIR CARGO MANAGEMENT

### **Course Objectives:**

The training prepares students for a career in airline / sea / road cargo reservations, in adherence to proper packaging, documentation, warehousing and shipping.

### **Course Content:**

- Operations of freight forwarders and airline cargo units.
- Standard cargo acceptance procedures and document completion
- Cargo rating principles and loading procedures.
- Apply the IATA Dangerous Goods Regulations correctly
- Understand the legal requirements and responsibilities of shippers, agents and airlines.
- Properly packed, marked and labelled
- Shipper's Declaration for Dangerous Goods.

Employment opportunities

- Airline Cargo Acceptance

- Air Cargo processing
- Ware house management Staff
- Customs clearance for both air and sea ports
- Procurement and store keeping facilities
- Non-Governmental Organizations

Examining body is: EAST AFRICAN SCHOOL OF AVIATION

On successful completion, the graduate attains a Diploma in Air Cargo Management.

Minimum Entry Requirement: KCSE C Intakes: January, May & September

### **Duration**

2 years

The student has the option of sitting for IATA (the Association of Airlines World-wide that decide & sets guidelines on the Commercial activities of Airlines).

## **EASA DIPLOMA IN AIR CARGO MANAGEMENT**

### **Course Objectives:**

The training prepares students for a career in airline / sea / road cargo reservations, in adherence to proper packaging, documentation, warehousing and shipping.

### **Course Content:**

- Operations of freight forwarders and airline cargo units.
- Standard cargo acceptance procedures and document completion
- Cargo rating principles and loading procedures.
- Apply the IATA Dangerous Goods Regulations correctly
- Understand the legal requirements and responsibilities of shippers, agents and airlines.
- Properly packed, marked and labelled
- Shipper's Declaration for Dangerous Goods.

### **Employment opportunities**

- Airline Cargo Acceptance

- Air Cargo processing
- Ware house management Staff
- Customs clearance for both air and sea ports
- Procurement and store keeping facilities
- Non-Governmental Organizations

Examining body is: EAST AFRICAN SCHOOL OF AVIATION

On successful completion, the graduate attains a Diploma in Air Cargo Management.

Minimum Entry Requirement: KCSE C

**Intakes:** January, May & September

**Duration**

2 years

The student has the option of sitting for IATA (the Association of Airlines World-wide that decide & sets guidelines on the Commercial activities of Airlines).

**EASA DIPLOMA IN AIRPORT OPERATIONS**

**Course objectives**

This program prepares a student for the Operational Management of an Airport - a World recognized qualification commanding much esteem & status. On completion of the Diploma program, the student will have a deep all round knowledge covering all aspects of Airport Operations Management.

**Course content:**

- Introduction to Civil Aviation
- Communication & etiquette,
- Airport Passenger Service,
- Airport Cargo Service,
- Air Transport/Airline Geography (specialized for Civil Aviation)
- Passenger Ground Services,
- Air Cargo Transport,

- Airport Maintenance Practice,
- Airport Safety Check Practice,
- Airport Fundamentals,
- Airport Operations,
- Airline Operational Control,
- Managing Airport Environment,
- Airport Emergency Rescue,
- Flight information Services,
- Human Factors & Aviation Safety,
- Air Traffic Management

Examining body is: EAST AFRICAN SCHOOL OF AVIATION.

On successful completion, the graduate attains a Diploma in Airport Operations.

Minimum Entry Requirement: KCSE C

**Intakes:**

January, May & September

**Duration**

2 years