

# Technical Diploma in Antimicrobial Resistance

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The Technical Diploma in Antimicrobial Resistance (AMR) is a wide-ranging three-month program designed to equip participants with the knowledge and practical competencies required to detect, monitor, and respond to antimicrobial resistance across clinical, laboratory, and public health settings.

The diploma provides a structured learning journey that integrates AMR detection, antimicrobial stewardship, surveillance systems, and One Health approaches. It combines foundational knowledge with applied skills to support professionals working in complex health systems and responding to emerging resistance challenges.

By the end of the program, participants are prepared to analyze resistance patterns, support surveillance systems, implement stewardship programs, and contribute to evidence-based decision-making in AMR response.

## Objectives

By the end of this diploma, participants will be able to:

-  Explain key concepts, mechanisms, and drivers of antimicrobial resistance
-  Detect and manage antimicrobial resistance using laboratory and clinical approaches
-  Interpret and utilize antimicrobial susceptibility data (e.g., antibiograms) to inform decision-making
-  Implement and promote antimicrobial stewardship programs
-  Design and support AMR surveillance systems
-  Apply One Health approaches to address AMR across human, animal, and environmental health
-  Analyze and respond to multidrug resistance in diseases such as TB, HIV, and malaria
-  Evaluate and improve the performance of antimicrobial stewardship programs

Duration: 3 Months



Language: English



Fees: USD 375

## Program Structure

The diploma consists of six integrated modules:

- 01 Antimicrobial Resistance – Level 1
- 02 Antimicrobial Stewardship – Level 1
- 03 Antimicrobial Resistance – Level 2
- 04 Antimicrobial Stewardship – Level 2
- 05 Multidrug Resistance
- 06 Antimicrobial Stewardship – Level 3

Each module builds progressively to strengthen participants' technical, analytical, and programmatic capacity to respond to AMR in real-world settings.

## Target Audience

This diploma is ideal for:

- Healthcare professionals (physicians, pharmacists, nurses)
- Public health practitioners and epidemiologists
- Laboratory specialists and microbiologists
- Veterinarians and One Health professionals
- Researchers and academics
- Policy and program managers working on AMR
- Professionals in pharmaceutical and environmental health sectors



AMR QR code

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## Key Features



**Certificate**  
Technical Diploma



**Duration**  
3 Months



**Training Hours**  
180



**Language**  
English



**Type**  
Practice-Oriented  
Diploma



**Modality**  
Fully Online | Self-Paced



**Fee**  
USD 375



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