



**AkiraChix**  
SHE BUILDS • SHE SERVES • SHE LEADS

**FOR MORE INFORMATION**  
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**FOUNDATION COURSES**  
**GRAPHIC DESIGN**  
**WEB DESIGN**  
**MOBILE DEVELOPMENT**

This certificate program is designed to prepare students for entry level opportunities in these 3 fields.

From experienced trainers to world-class friendships, students at AkiraChix find a community that embraces them, challenges them, and exposes them to new ideas daily. With so many opportunities accorded to our students, the AkiraChix experience is unique for every student.

AkiraChix faculty and alumni have founded several technology companies in Kenya as well as gone ahead to be employed by some of our top tech companies in the country.



## INSTRUCTORS WITH PROFESSIONAL EXPERIENCE

AkiraChix instructors are not just teachers, but experienced industry experts with recent, relevant and global work experience in their field. Learn from supportive instructors who know what it takes to be successful in the industry and who can support you to reach your learning goals and career dreams.

## SMALL INTERACTIVE CLASSES

Learn from your instructors and your peers in small classes that encourage student interaction and participation. Small classes provide you with more personalised attention and give instructors the flexibility to adapt course content to the interests and career goals of the students, making the curriculum more relevant to you.

GRAPHIC DESIGN:	26 hours
WEB DESIGN: (Front & Back end)	52 hours
MOBILE DEVELOPMENT:	26 hours
HARDWARE PRODUCT DESIGN:	26 hours

## 3 MONTH COURSE

5:30PM - 7:30PM MONDAY - FRIDAY

TOTAL COST KSHS 45,000 OR 15,000 PER MONTH

## GRAPHIC DESIGN

In this course, students learn the fundamental skills that all graphic designers use: layout, color theory, typography, imagery and more.

As a result of successfully completing this course, the student will be able to:

- » Describe the structure, organizations, job titles and roles in graphic design
- » Apply the key concepts of fonts, type and their use and applications
- » Explain the fundamental concepts of typography
- » Discuss and apply the principles of color in print and for the web
- » Articulate the elements of layout and design for print
- » Apply the techniques of exporting, transferring and printing files and formats

## WEB DESIGN - (Front End Development)

The course will introduce students into key User Interface development principles.

- » Web & User Interface Development with HTML & CSS
- At the end of this course, students should be able to:-
- » Demonstrate an understanding of how to wireframe web pages from a brief.
  - » Demonstrate an understanding of the basic html/css tags.
  - » Translate a visual mockup to html/css.

## WEB DESIGN - (Back End Development)

The course aims to equip students with the ability to develop high quality applications for commercial use, entailing the following topics:-

- » Introduction to Python
- » Basic Data Structures
- » Control Flow
- » Functions
- » Object Oriented Programming
- » Regular Expressions and I/O
- » Introduction to Django

## MOBILE APPLICATION DEVELOPMENT

This course introduces the students to the fundamentals of creating android applications on mobile devices. This will include lessons on the following topics

- » Setting up Android Studio
- » Fundamentals of building an android application
- » Layouts and User interface components
- » Interactions with your app and lifecycle of app activities
- » Task execution(Synchronous and Asynchronous)
- » Performing network operations

## HARDWARE PRODUCT DESIGN

### MECHANICAL DESIGN

- » Introduction To Product Design
- » Introduction To Materials
- » Cad And Cam
- » Product Prototyping And Development
- » Design Realisation Concept To Product
- » DFM and DFA
- » Appropriate Design Methods

### ELECTRONICS & EMBEDDED SYSTEMS

- » Introduction To Electronics And Embedded Systems
- » Embedded Systems Hardware
- » Basic Principles Of Electronics
- » Electronics Design
- » Introduction To Microcontrollers And Microprocessors.
- » Schematics And Printed Circuit Boards (Pcbs)
- » Embedded Systems Software
- » Electronics And/Or Embedded Systems Project