MORINGA
Discover · Grow · Transform

Data Science
Course

In partnership with:

// FLATIRON SCHOOL

Africa's top Tech Bootcamp - Moringa has partnered with Flatiron School, to offer a Data Science Course.
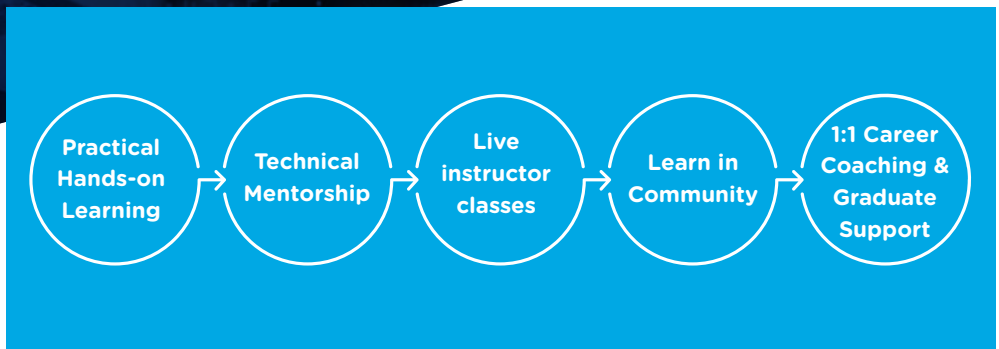
Introduction

Data Science is an interdisciplinary field that deploys algorithms, and other scientific methods and processes to acquire insights and knowledge from data. Many industries are now leveraging data to monitor behaviors and trends. Data Scientists are equipped with the knowledge of how to use data, tell a story, and derive insights for businesses. Did you know that Data Science Jobs are among the most sought-after roles in this century? Take the chance and learn these skills.

This course is for those who are curious and want to work with Data to:

- Help businesses leverage data for innovation and success
- Innovate and predict future trends in business and other industries
- Learn how to analyze data, and provide data-driven insights to make decisions
- Elevate their careers or switch to Data Science within a year

Why Study At Moringa?

Practical Hands-on Learning → Technical Mentorship → Live instructor classes → Learn in Community → 1:1 Career Coaching & Graduate Support

Become a Certified Data Scientist with access to 12 months of Graduate Support to land your next career opportunity in Tech.

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Who is eligible to join our Data Science Course?

This course is offered to those who are above 18 years, are ongoing or have completed university/college in any field, currently working or looking to change careers, and have some knowledge or background in maths & statistics.

01 Submit an online application and assessment test.

02 Attend admission interviews as scheduled.

03 Availability to attend classes as per schedule.

04 Have a stable internet connection.

05 Have a laptop (core i5 and upwards, 8GB RAM, 500GB or more memory).

What is the learning schedule for full-time classes?

- Students will engage in 40 hours of learning weekly from Mon - Friday for a total of 25 weeks.
- Students will attend live lectures from technical mentors
- You can either join online classes or hybrid classes depending on your preference
- Additional classes & helpdesk support are available on Saturdays from 9 am to 12 pm EAT

What is the learning schedule for part-time classes?

- Students will engage in 20+ hours of learning weekly from Mon - Friday for a total of 35 weeks,
- Students will attend a live lecture i.e a 3-hour lecture per week.
- You can either join live lectures or watch recordings as your schedule allows
- Additional classes & helpdesk support are available on Saturdays from 9 am to 12 pm EAT

Data Science Course Overview

Part-Time Online Classes

Duration - 35 weeks

Mode - 100% online classes | Mon to Fri from 6 pm - 9 pm | Saturdays from 9 am

Tuition Fees - Ksh 200,000

Full-Time Online Classes

Duration - 25 weeks

Mode - 100% live & online classes Mon - Fri from 8 am - 5 pm

Tuition Fees - Ksh 174,000

Fee Payment Options Available

1 Upfront Full Fee Payment

2 Fees Installment Plan

3 aspira>> Student Loan with Aspira

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Curriculum Outline

Phase 0

Orientation, Pre Work and Introduction to Data Science Principles

During orientation, you learn more about Moringa, our policies, learning model, learning platform, classroom structure, and learning schedule.

The Data Science pre-work covers introductory Data Science concepts, Software Engineering Principles, and python programming.

Phase 1

Data Analysis & Engineering

In this phase, students will be introduced to python for Data Science. You'll learn how to use Jupyter Notebooks and be familiarized with popular Python libraries used in data science such as Numpy and Pandas.

Phase 2

Scientific Computing & Quantitative Methods

In phase 2, students learn about the fundamentals of probability theory like combinations and permutations. At the end of this phase, students will be able to build their first data science model using linear regression.

Soft Skills Training

Students go through training with our professional development trainers in Leading self, Working with others, Project Management, Career Readiness, Communicating for Impact & Entrepreneurial Thinking.

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Curriculum Outline

Phase 3
Machine Learning Fundamentals

Students learn about machine learning with a heavy focus on supervised learning. Learners get into regression analysis and a new form of regression — logistic regression. At the end of this phase, students will be able to build and implement important machine-learning techniques.

Health Break

Phase 4
Advanced Machine Learning

This phase of the course focuses on a variety of Data Science techniques. Students learn about unsupervised learning techniques like clustering and dimensionality reduction. Students will be introduced to threading and multiprocessing to be able to work with big data. In doing so, you'll learn about PySpark and AWS, Deep Learning, Neural Networks, and how to perform sentiment analysis.

Phase 5
Final Data Science Projects

In your final project, learners work individually or in groups to apply the technical and soft skills training and knowledge. Students are required to create a large-scale data science and/or machine learning project. This final project provides an in-depth opportunity for you to demonstrate your learning accomplishments.

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What Our Graduates Say

Moringa school helped me in so many ways, but I think the most important one is the Data Science pipeline (in a nutshell). I am now able to do analysis projects with ease. I am now working for Eneza Education, an ed-tech company as a Business Intelligence Engineer. Yes! I would suggest the course to anyone who would want to pursue Data Science.

Cecilia Wanja,
Eneza Education

Contact Details

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