



Data Science Online Course

Part-Time (33 Weeks)

In partnership with:

// FLATIRON SCHOOL

Africa's top Tech Bootcamp - Moringa has partnered with Flatiron School, to offer a 33-week Data Science Course (Part-Time).

Introduction

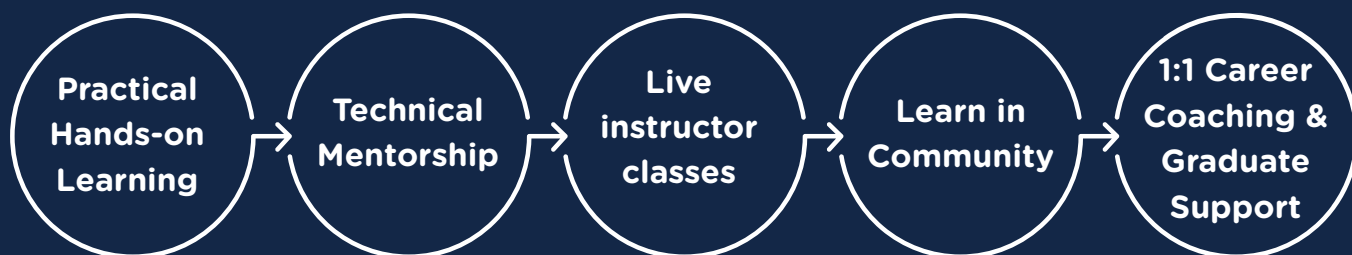
Data Science is an interdisciplinary field that deploys algorithms, and other scientific methods and processes to acquire insights and knowledge from data. Many industries are now leveraging data to monitor behaviors and trends. Data Scientists are equipped with the knowledge of how to use data, tell 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.

Have a Demanding Schedule? Explore our Part-Time Option.

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

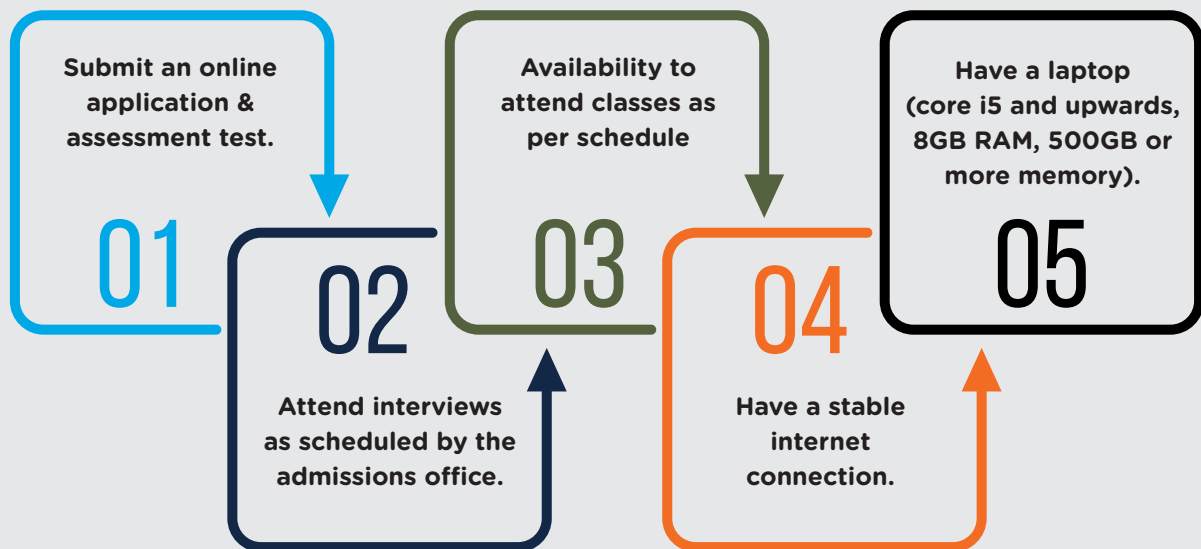
Why Study At Moringa?



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

Who is eligible to join our Data Science Course?

This course is offered to those who are not available to take a full-time course, 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.



What is the learning schedule for part-time classes?

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

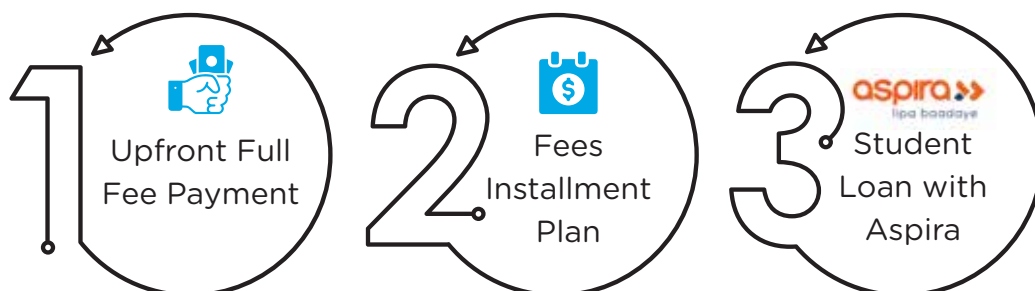
Course Overview

Duration - 33 weeks

Mode - Online Classes | Mon to Fri from 6 pm - 9 pm | Saturdays from 9 am

Tuition Fees - Ksh 200,000

Fee Payment Options Available



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.

**Flexible & Affordable Student
Loans now available powered by**



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 logistic regression. At the end of this phase, students will be able to build and implement the most 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



When I joined Moringa School, I was quite overwhelmed at first because it's fast paced and it's not like the traditional learning model I was used to. Here we have Technical Mentors who guide you through the curriculum and are there if you need any help. They encourage you to think for yourself, take initiative and they guide you with your own learning pace. See, I'm not a math person but I managed to do this as I'm surrounded by very smart and passionate people who always support me.



Rose Delilah,
Moringa School

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