



**AMITY**  
INSTITUTE OF HIGHER EDUCATION  
— MAURITIUS —



MASTER THE FUTURE OF INTELLIGENCE:

# ACCELERATE YOUR CAREER WITH A 1-YEAR MSc IN DATA SCIENCE

Programme Awarded & Delivered by:  
**Amity Institute of Higher Education (AIHE)**

**Duration: Full Time:** 1 Year (3 Trimesters)  
**Part Time:** 1.5 Years (4 Trimesters)  
**Delivery Mode:** Face-to-Face and Blended Teaching

Registered with the Higher Education Commission (HEC) Mauritius



Call or whatsapp on +230 52552500



admissions@mauritius.amity.edu



www.amity.edu/mauritius



## PROGRAMME OVERVIEW

### Unlock the Power of Big Data

This intensive, industry-aligned programme is designed to transform you into a skilled data professional capable of extracting actionable insights from complex datasets. Whether you are looking to bridge the gap between theory and real-world application or seeking a high-demand role in AI and analytics, this degree equips you with the expertise to drive key business decisions.

## AIMS & OBJECTIVES

- **Master Advanced Technologies:** Develop expertise in Machine Learning, AI, Statistical Modelling, and Big Data Processing
- **Hands-On Experience:** Gain practical skills in developing data warehouses and deploying ML models into production
- **Industry Ready:** Bridge the gap between academic theory and real-world applications in finance, healthcare, marketing, and governance
- **Future-Proof Skills:** Learn to incorporate Blockchain technology and handle data with strict adherence to security and compliance standards

## PROGRAMME STRUCTURE

Modules	Credits	Number of Notional Learning Hours (NLH)
<b>TRIMESTER 1</b>		
• Research Methods for Technical Research	15	150
• Data Science for Logistics and Supply Chain Management	20	200
• Data Security and Governance	15	150
<b>Total Trimester Credits</b>	<b>50</b>	<b>500</b>
<b>TRIMESTER 2</b>		
• Database Systems & Blockchain Management for Data Science	20	200
• Data Analytics for Business Decision Making	20	200
• Practical Machine Learning for Business & Technology	20	200
<b>Total Trimester Credits</b>	<b>60</b>	<b>600</b>
• Capstone Project (Phase 1)	NA (as total credits are allotted after trimester 3)	150 Mandatory
<b>TRIMESTER 3</b>		
• Financial Data Analytics	20	200
• Big Data Analytics	20	200
<b>Total Trimester Credits</b>	<b>40</b>	<b>400</b>
• Capstone Project (Phase 2)	30	150 Mandatory

## TOOLS & TECHNOLOGIES YOU WILL LEARN

Get exclusive hands-on experience with industry-standard software

**Languages & Frameworks:** Python, R Studio, SQL, PL/SQL, Keras, TensorFlow

**Big Data & Cloud:** Hadoop, Spark, Hive, Apache Pig, Amazon Web Services (AWS), Google Colab

**Visualization & Analytics:** Tableau, Power BI, IBM Watson, Rapid Miner

## CAREER PATHWAYS

Prepare for high-growth roles in the global market:

• Data Scientist / Data Architect

• Machine Learning Lead

• AI Research Scientist

• Business Intelligence (BI) Analyst

• Quantitative Analyst (Finance)

## ELIGIBILITY & ADMISSION

### Standard Entry Criteria

Applicants must hold one of the following:

- An undergraduate degree from a recognised institution acceptable to AIHE.
- A relevant degree (preferably in IT, Computer Science, Engineering, Information Systems, or Actuarial Science).
- Other academic or professional qualifications acceptable to AIHE. (International students must provide English proficiency evidence: IELTS 6.5, TOEFL equivalent, or Duolingo 115, unless their medium of instruction was English)

### Mature Candidates (Special Admission).

We value industry experience. You may apply if you meet the following criteria:

- **Diploma Holders:** Minimum Diploma in any discipline + 7 years of experience in a related field.
- **Managers:** Minimum of 10 years of managerial experience in a related field.

UNICITI Education Hub Pierrefonds-72448, Quatre Bornes, Mauritius



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