

ENTRY REQUIREMENTS

HOW TO APPLY?

application



UNIVERSITY OF BAHRAIN
COLLEGE OF SCIENCE AND COLLEGE OF IT



Holding a bachelor degree from a recognized academic institution with GPA at least 2.67 out of 4 in a relevant field of study.

Having a good standard (minimum grade C) IT background in the areas of Computer Programing (Java, C++, Python, R), Data Structure & Algorithms.

Having a good standard (minimum grade C) statistical/mathematical background in the areas of Calculus, Linear Algebra, Probability and Statistics.

Big Data

Passing a personal interview.

English Proficiency TOEFL (500) or IELTS (6).

Providing two academic letters of recommendations.

Application to the postgraduate studies at the University of Bahrain is processed by the Deanship of Scientific Research and Graduate Studies through Student Information system (SIS). It usually takes place over the period from March to August of every year.

STEP1: Application Form

Open the URL <http://sis.uob.edu.bh>
Tick the Applicant box
Click on the Register link
Fill in the New Student Application Form
Click on Submit bottom
Upload the required documents

STEP2: Application Review

The applications will be directed to the Program Administrative Committee for review.

STEP3: Personal Interview

The Program Administrative Committee will ask you for a personal interview and you will be informed with the details.

The fees are **140BD per credit hour** and the application deadline is **30 of August**.

M.SC. IN BIG DATA SCIENCE AND ANALYTICS



“ Information is the oil of the 21st century, and analytics is the combustion engine. ”

Peter Sondergaard
Senior VP, Gartner

“ Data is the new science. Big Data holds the answers. ”

Pat Gelsinger
CEO of VMware, Inc.
and former COO of EMC Corporation

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WHY BIG DATA MATTERS

The Kingdom of Bahrain has become a hub for technology, attracting Fintech companies and startups from around the world that are based on a platform led by disruptive technology. As the national university, our role is to look beyond the curve and identify future skills and job opportunities, I am confident that the rise of AI and machine learning will mean that data is essential to the innovation. The new economy is the data economy.

We are proud to say that this master program in Big Data Science and Analytics is the first of its kind in the Kingdom of Bahrain and one of the first in the region. This unique program reflects the aspiration of the University of Bahrain to move in executing our transformation plan 2016-2021 by introducing multidisciplinary postgraduate programs.

Multidisciplinary, project based experiential learning is critical to provide employers in Bahrain and beyond with highly qualified graduates that are able to not just add value but create insights through data, turning big data to smart data is the value proposition. By equipping students with deep subject knowledge combined with practical learning using advanced software and high performing computing we are able to allow students and companies to use data like never before, as a source of innovation and redesign.

The master program in Big Data Science and Analytics has been launched in 2018 by the University of Bahrain and validated by Liverpool John Moores University in the United Kingdom. This validation extended over the academic years from 2019/2020 to 2021/2022, and now the program is offered and administered by the University of Bahrain only.

We are pleased to see that the first and second cohorts successfully graduated from the program, and that the third cohort is currently working on the thesis proposal after successful completion of the program taught courses. We are expecting to see more achievements from this master program.

I hope very much to see you be part of this program.

UOB President



PROGRAM DETAILS

CAMPUS	CREDITS	FORMAT	TIME	DELIVERY	LANGUAGE
SAKHIR	36 CREDITS	FULL TIME	4:00 - 9:00 PM	ONCE/WEEK per course	ENGLISH

It is the first of its kind in the Kingdom of Bahrain and one of the first in the region.

It combines knowledge with industry experience in order to expose students to a variety of real-life applications.

It is a validated master program by Liverpool John Moores University in the United Kingdom.

It provides students with opportunity to work with different recent powerful technological tools and software.

It is designed by integrating mathematical and statistical methods with advances of computer science and information technology to provide students with a unique learning environment.

It is an exciting opportunity for building personal skills and for professional development.

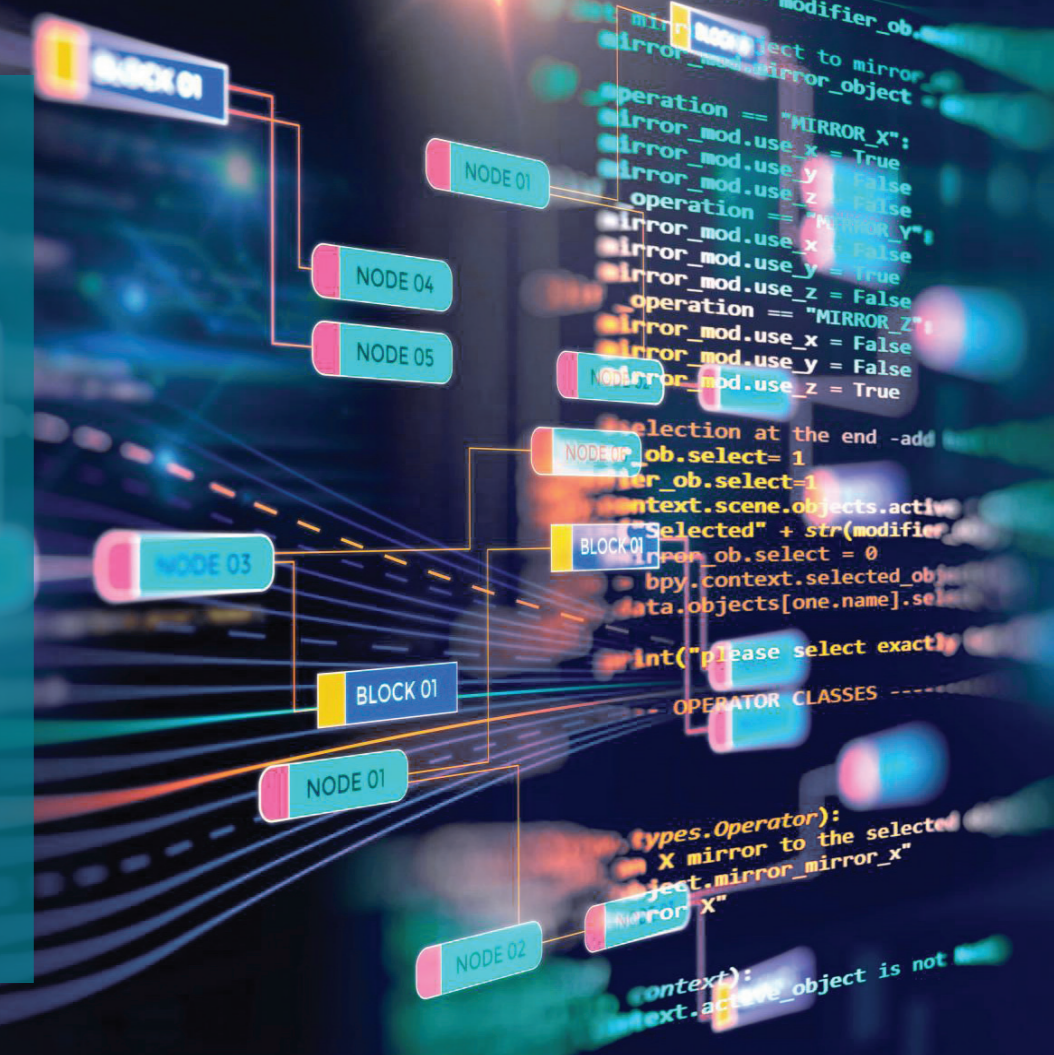


THE FUTURE IS DATA

IBM Predicts Demand For Data Scientists Will Soar **28%** By 2020

PwC report forecasts **2.7m** new data science and analytic jobs will be created by 2020

WEF - World Economic Forum 2019 report indicates **Data Analyst and Scientist** as the top-ranked role across industries up to 2020



TEACHING METHODS

LECTURES | TUTORIALS | SEMINARS |

DISCUSSION GROUPS | COMPUTER-BASED PRACTICES

ASSESSMENTS

REPORTS | PROJECTS | PRESENTATIONS | TEAMWORK TASKS | TESTS AND EXAMS | PRACTICAL ASSIGNMENTS

STUDY PLAN AND COURSES

YEAR 1

TERM 1					Break	TERM 2				
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SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN

YEAR 2

TERM 1				
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SEP | OCT | NOV | DEC | JAN

BDSA 601 - Research Methods	BDSA 604 - Machine Learning	BDSA 609 - THESIS
BDSA 602 - Statistical Data Analysis	BDSA 605 - Data Mining	
BDSA 603 - Big Data Analytics	BDSA 606 - High Performance Computing	