OUK | SCHOOL OF SCIENCE AND TECHNOLOGY

OPEN UNIVERSITY OF KENYA

The innovative university for inclusive prosperity

BACHELOR OF DATA SCIENCE

OVERVIEW

The Bachelor's program in Data Science is a demanding curriculum meticulously crafted to educate competent graduates equipped with the necessary professional and technical proficiencies to adeptly address data science challenges. Participants will gain knowledge and competencies in substantial data analytics, data mining, computational intelligence, machine learning, statistical learning, scalable algorithms, and optimization of large-scale databases.

Data Science Career Projections
- Data Scientist
- Data Analyst
- Machine Learning Scientist
- Machine Learning engineer
- Business Intelligence Scientist
- Market research analysts

PROGRAM STRUCTURE

Programme Learning Outcomes

By the end of this programme, the student will be able to:
1. Describe the applications of data science in a wide range of data-related fields.
2. Analyse and adapt the latest data science technologies to solve real-world problems in a broad range of sectors.
3. Formulate appropriate models of data analysis and undertake a project in an independent or collaborative environment
4. Exhibit an in-depth understanding to the codes of ethics and conduct of data science professions.

Total credit hours and course units required for graduation
The programme shall be offered in 8 semesters. The minimum total courses for the programme are 48. The minimum total course credit hours required for graduation is 144 hours.

ASSESSMENT

Continuous Assessment Tasks: 50%
Final Examination: 50%

ADMISSION REQUIREMENTS

- A mean grade of C+ and above at KCSE OR
- Diplomas or professional qualifications OR
- A certificate of foundation or bridging courses from recognised institutions OR
- A portfolio for the purpose of recognition of prior learning OR
- Kenya Advanced Certificate of Education with a minimum of 1 principal OR
- A bachelor's degree from an institution recognised by Senate.

APPLICATION PROCESS

1 Application Form
Register by completing the online application form.

2 Application Screening
Your application will be reviewed to determine if it is a fit with the program.

3 Join OUK now
OUK applicants are also eligible for government scholarships and loans as per the new funding model criteria.

www.ouk.ac.ke

DURATION
4 years

OUK
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STRUCTURE

PROCESS

Flexibility — Students can customize their learning experience to fit their unique needs and commitments; with the freedom to choose courses and set their own learning pace

Inclusivity — Diversity is celebrated, and efforts are made to ensure that all students and staff have access to resources and support services to enable their success

Openness — Through open admission criteria, affordable tuition options, and online or distance learning programs, the Open University of Kenya strives to removing barrier to access to education and promote lifelong learning

Certification — All students qualify for progressive certification towards a bachelor's degree:
- Certificate (one third (1/3) of the credit hours)
- Diploma (two-third of (2/3) of the credit hours)
- Degree (programme full credit hours)

LEVEL 1 PROGRAM COURSES

FIRST SEMESTER	SECOND SEMESTER
Introduction to Computing	Introduction to Database Systems
Introduction to Programming I	Introduction to Programming II
IT Entrepreneurship	Data Structures and Algorithms
Foundations of Mathematics	Fundamentals of Data science
Basic Statistics with R	Calculus
Contemporary Issues in Psychology	Discrete Mathematics

READY TO BECOME A DATA-DRIVEN DECISION MAKER?

APPLY NOW!
September 2023 Intake Ongoing!

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For more information visit the link: https://ouk.ac.ke