

Undergraduate BSc. Degree in Biosafety & Biosecurity

Making a Difference in Global Health Security



Lead the way with a degree in Biosafety and Biosecurity from MMUST

Masinde Muliro University of Science and Technology's (MMUST) new undergraduate BSc. program in Biosafety & Biosecurity is a collaborative effort with the International Federation of Biosafety Associations (IFBA) and the only one of its kind globally. The program is designed to meet the growing demand for qualified biosafety & biosecurity professionals to support national and global health preparedness and response.



Scan the QR code for further details on the program admission requirements and how to apply



Program Highlights

This degree program combines theoretical with practical learning to give you an in-depth understanding, extensive knowledge and skills in biosafety and biosecurity. Students are provided with a diverse range of courses covering topics such as biological risk assessment & mitigation, laboratory design & biocontainment, biological non-proliferation, and cyberbiosecurity. You will also have the opportunity to learn from international biosafety experts from around the world.

What is Biosafety & Biosecurity?

Biosafety and biosecurity refer to the safe and secure handling of infectious disease agents and other biological materials in order to protect the laboratory workforce and wider community. These principles and procedures not only protect people, but also protect animals and the environment as well from harmful pathogenic biological agents.

What can I do with this degree?

Pursuing a career in biosafety and biosecurity gives you the chance to have a meaningful impact on global health security. After earning your bachelor in biosafety and biosecurity, you may go on to pursue career options in diagnostic or research laboratories, disease outbreak response, synthetic biology, public & animal health policy, and other related fields .



International Federation of
Biosafety Associations



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