

MASTER OF SCIENCE IN **SUSTAINABLE DESIGN OF THE BUILT** **ENVIRONMENT**

WHY STUDY MASTER OF SCIENCE IN SUSTAINABLE DESIGN OF THE BUILT ENVIRONMENT

Climate change presents urgent global environmental challenges, significantly impacting both the planet and human health. The built environment contributes heavily to carbon emissions and resource depletion, while indoor environments affect occupant health, well-being, and productivity. Adopting a sustainable design approach, which combines passive and active strategies with the latest design and modeling techniques, can reduce energy consumption, decrease pollution, and create healthier, more comfortable living spaces. The Master of Science in Sustainable Design of the Built Environment at BUID equips professionals with advanced knowledge, skills, and tools for innovative, sustainable design. This programme integrates architectural and engineering solutions, preparing graduates to effectively address the critical issues of the built environment.

CAREER PROSPECTS

The demand for sustainability in the built environment is growing across both public and private sectors. This programme prepares graduates for a dynamic field with numerous career opportunities. Students gain comprehensive skills and knowledge applicable to architecture, building services, urban design, and interior design. Additionally, the programme benefits professionals in private consultancy, construction firms, and government or regulatory agencies, aligning with the industry's increasing emphasis on sustainable development.

PROFESSIONAL ACCREDITATION

ENTRY REQUIREMENTS

A relevant Bachelor's degree equivalent to an Upper Second Class or with a Good GPA (3.0 or above on a 4.0 scale or its equivalent) from an accredited university.

A minimum TOEFL score of 550 (213 CBT, 79 iBT), 6.0 IELTS academic, or their equivalents on another standardised nationally, or internationally, recognised test that is approved by the Ministry of Higher Education and Scientific Research UAE (MOHESR).

PROGRAMME STRUCTURE

Modules	Module Title	Credits hours
Core	Climate and Comfort	3
	Renewable and Sustainable resources	3
	Investigations in the Built Environment	3
	Sustainable Built Environments	3
Electives (select 4 modules must include at least 1 SDBE module from Table of electives)	Passive Design	3
	Skins and Spaces	
	Efficient Building Services	3
	Sustainable Urban Design	3
	Sustainable Urban Transport	3
	BIM for Sustainable Building Practices	3
	Sustainable Indoor Air Quality	3
	Sustainable Materials for Interior Environment	3
	Advanced Construction Technologies	3
	Building Acoustics and Illumination	3
	Energy Management 1	3
	Dissertation	6
Total credit hours		30

ALL OUR PROGRAMMES ARE ACCREDITED BY UAE MOHESR

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