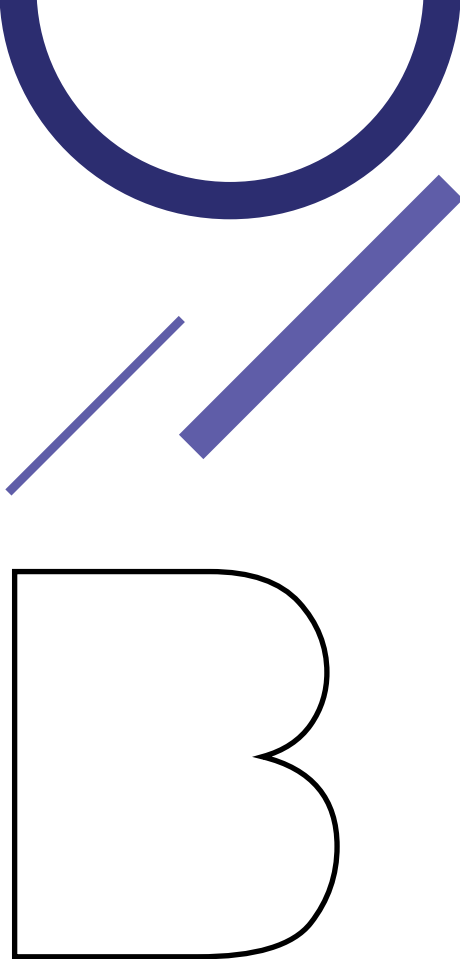


MSc



MASTER OF SCIENCE IN
**BUILDING PERFORMANCE
AND SUSTAINABILITY**

A multi-disciplinary programme for working professionals from the built environment, who are interested in issues impacting climate and sustainability

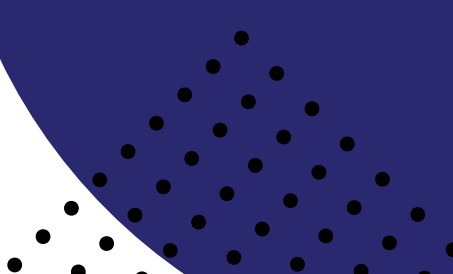
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NUS
#1 IN
ASIA

Quacquarelli Symonds World University
Rankings 2021, 2020, 2019

Times Higher Education World University
Rankings 2018, 2017 & 2016



WHY NUS MASTER OF SCIENCE IN BUILDING PERFORMANCE AND SUSTAINABILITY [MSc (BPS)]?

- 1

Acquire a sound understanding of the importance of sustainability in building creation, as well as the operation and maintenance of building systems, through a multi-disciplinary approach.
- 2

Benefit from lecturers with international standing.
- 3

Enjoy meaningful interaction with fellow students from diverse professional backgrounds.
- 4

Graduate with an internationally recognised degree and be qualified for practice in the broad field of Building Performance and Sustainability.

WHO SHOULD ENROL?

The MSc (BPS) is a programme designed for working professionals who are engaged in design, construction, commissioning, operation and maintenance of building systems and services.

PROGRAMME INFORMATION

INTAKE



August

COURSE DURATION

- 1 year full-time | 2 years part-time
- Evening classes only
- Full-time students attend 4 or 5 classes per week; part-time students attend 2 or 3 classes per week

CLASS PROFILE



CLASS SIZE APPROXIMATELY

40
ON AVERAGE

CLASS MIX

International mix of students, providing opportunities for cross-cultural exchanges within an interesting and conducive learning environment

PROGRAMME STRUCTURE

STUDENTS CAN TAKE:

12MC
Essential Modules

+

28MC
Prescribed Elective Modules

=

40MC

OR

12MC
Essential Modules

+

20MC
Prescribed Elective Modules

+

8MC
*Unrestricted Elective Modules

=

40MC

OR

12MC
Essential Modules

+

20MC
Prescribed Elective Modules

+

8MC
Dissertation

=

40MC

MC = Modular Credits

ESSENTIAL MODULES

- Integrated Building Design
- Green Building Integration and Evaluation Studio

PRESCRIBED ELECTIVE MODULES

- Microclimate Design
 - Indoor Environmental Quality
 - Building Energy Performance – Passive Systems
 - Building Energy Performance – Active Systems
 - Building Energy Audit and Performance Measurement and Verification
- Smart Buildings and Facilities
 - Maintainability and Green Facilities Management
 - Advanced Building Materials and Structures
 - Data Science for the Built Environment
 - Special Topics in Building Performance and Sustainability

UNRESTRICTED MODULES

Any TWO approved graduate-level modules or BPS5000 Dissertation (Optional)

*UNRESTRICTED ELECTIVE (UE) MODULES

Unrestricted Electives enable students to pursue their academic interests and aspirations by reading modules of any Department/Faculty. UE modules are optional.

ADMISSION AND APPLICATION

ADMISSION REQUIREMENTS

- At least a bachelor’s degree with honours in a related discipline, preferably with relevant, practical experience
OR
- A bachelor’s degree with at least 3 years’ relevant work experience.
- A good TOEFL score (580) or equivalent for applicants whose medium of instruction for their undergraduate studies is not in English.

ONLINE APPLICATION

<https://inetapps.nus.edu.sg/GDA2/Home.aspx>

TUITION FEE

Tuition Fee Payable Per Annum (S\$) for Regular Semesters:		
Singapore Citizens (S\$)	Singapore Permanent Residents (S\$)	International Students (S\$)
Full-time/ Part-time	Full-time/ Part-time	Full-time/ Part-time
45, 000		

Subject to periodical reviews

SCHOLARSHIP AND FINANCIAL ASSISTANCE

- SkillsFuture Study Awards for Built Environment Sector [For eligible applicants]



GRADUATION REQUIREMENTS



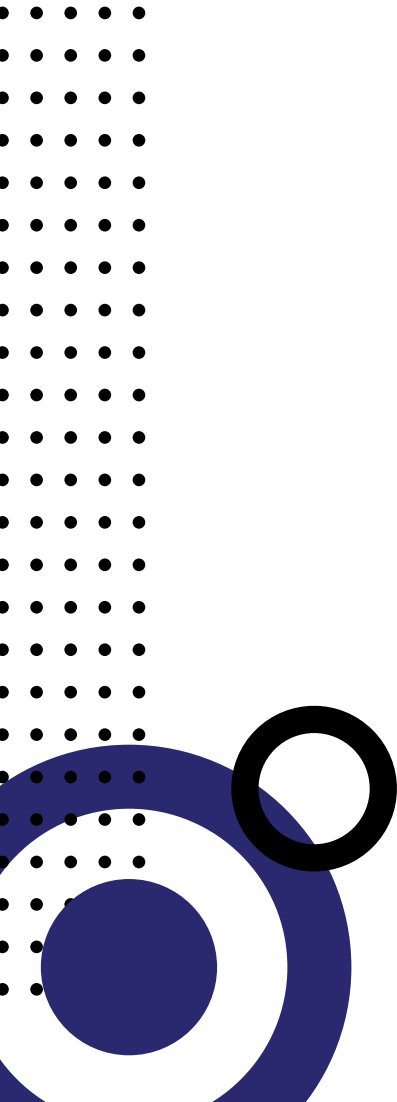
Pass 40 Modular Credits. This includes an 8 MC studio module. (Refer to Programme Structure for full requirements)

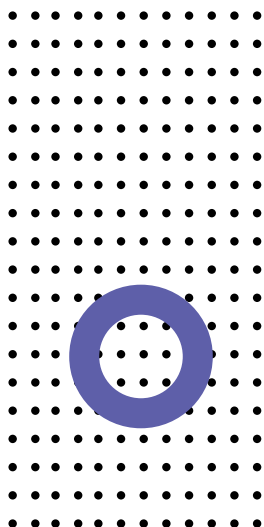


40 Modular Credits attained within a maximum period of four semesters for full-time students, and six semesters for part-time students.



Achieve a Cumulative Average Point (CAP) of at least 3.0.





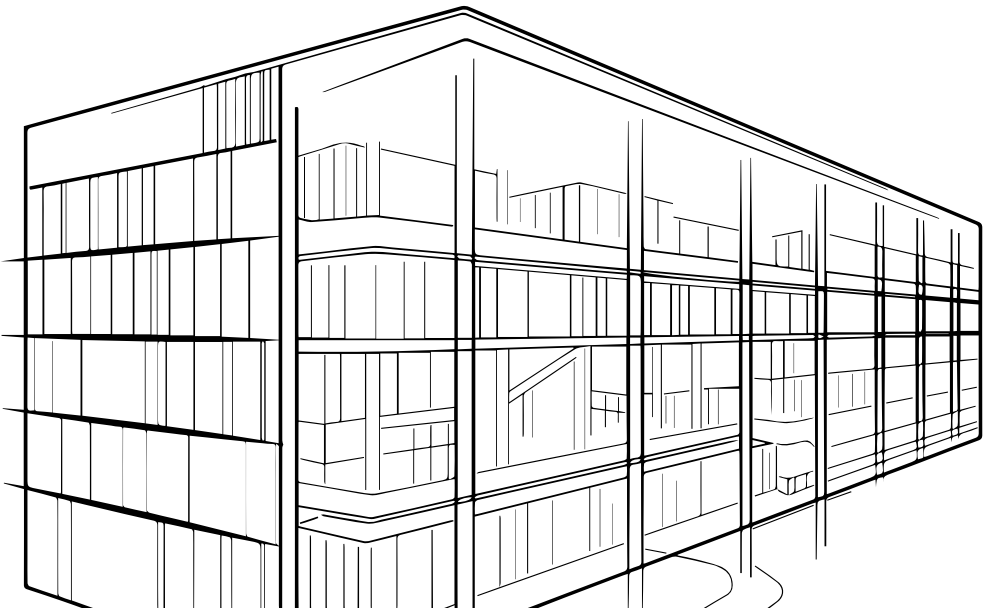
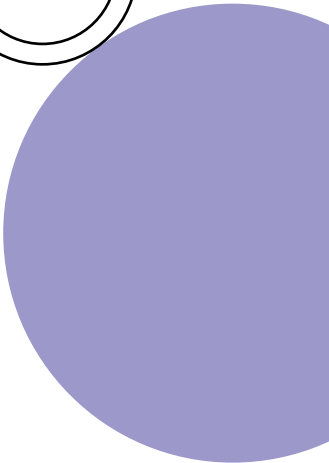
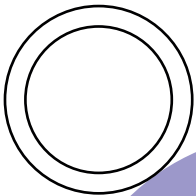
CAREER PROSPECTS

- Graduates of the MSc (BPS) can find their niche as Environmentally Sustainable Design (ESD) consultants, engaged in integrated and collaborative designs, and simulation studies of green buildings.
- Graduates of the MSc (BPS) equipped with knowledge and skillsets in Smart Green Buildings, Occupant Wellbeing, Energy Auditing and Management, can also find career opportunities in managing large facilities, such as airports, institutional buildings and malls.
- This degree conferred by NUS enhances the standing and marketability of the MSc (BPS) graduates. While most graduates return to their core disciplines as sustainability-trained professionals, some segue into research or education. Others may go on to pursue PhD degrees.

Contact Details:

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Ms Esther Koh
Programme Administrator
Department of the Built Environment
estherk@nus.edu.sg



MSc (BPS) ALUMNI

"The **MSc in Building Performance and Sustainability** [MSc (BPS)] is a very rewarding programme. We learned a lot working on projects with people from different backgrounds. The professors were very helpful and experienced. They facilitated my self-learning, which yielded real-life experiences. I am proud to be part of an amazing community – while I was pushing myself to be better, I had the support of like-minded course mates."

Gao Yushi
Assistant Engineer
Beijing Institute of Architectural Design (Group) Co., Ltd
MSc (BPS) (2020), NUS



"The **MSc in Building Performance and Sustainability** [MSc (BPS)] programme deepened my knowledge in sustainable design and mechanical engineering. The programme, with its broad curriculum and knowledgeable professors, gave me a good baseline not only in building science fundamentals, but also in my ongoing research work across the field. With what I had gained, I was able to put new ideas and methods into practice when I returned to work."

Sarah Daniell
Environmentally Sustainable Design (ESD) & Mechanical Engineer
eCubed Building Workshop
MSc (BPS) (2020), NUS



"My time in NUS reading the **MSc in Building Performance and Sustainability** [MSc (BPS)] was immensely enriching. The course curriculum was exactly as charted out in the prospectus, yet it went far beyond my expectations. The topics covered was way ahead of typical classroom teaching, with a lot of focus on real-world experience. The faculty members were mostly pioneers in their own fields and were very cooperative and supportive."

Shweta Kaw
Principal
Studio Meraki
MSc (BPS) (2013), NUS





NATIONAL UNIVERSITY OF SINGAPORE

The **National University of Singapore (NUS)** is one of the world's leading universities, with over 40,000 students across three campuses. By offering a distinctively Asian yet global experience, NUS gives students the opportunity to excel academically and to grow holistically. NUS is recognised for the breadth of its academic programmes, experiential learning, entrepreneurship education and impactful research. As the university continues to grow from strength to strength, it takes pride in nurturing students and equipping them with the necessary skills to be forward-thinking and versatile graduates.

SCHOOL OF DESIGN & ENVIRONMENT

A school of NUS for education and research, the **School of Design & Environment (SDE)** promotes the growth of knowledge in improving the quality of Singapore's built and natural environment. In 2021, it was No. 6 on the Quacquarelli Symonds ranking of the world's top universities for the study of Architecture/ Built Environment, based on academic reputation, employer reputation and research impact. SDE is the only school in Singapore offering undergraduate and graduate students a comprehensive suite of educational programmes to develop cross-disciplinary competencies spanning the lifecycle of the built environment. This covers urban planning and design, architecture and landscape architecture, total building performance and sustainability, project and facilities management, real estate finance and economics, and industrial and product design.

DEPARTMENT OF THE BUILT ENVIRONMENT

The MSc (BPS) is offered by the Department of the Built Environment under SDE. The Department seeks to advance knowledge, educate learners, and foster enterprise in the management of projects, facilities, contracts and technology within the sustainable built environment. It also aims to establish an academic centre of excellence for the pursuit of knowledge in science, technology and management in the building design and construction processes, both of which are relevant to the built environment, nation-building and the region.



Department of the Built Environment
School of Design & Environment