

Course List³

(with effect from AY2026/2027)

ESSENTIAL COURSES [8 UNITS]

BPS5111 Integrated Building Design (Semester 1) [4 units]

BPS5222 Indoor Environmental Quality (Semester 2) [4 units]

PRESCRIBED ELECTIVES [20 UNITS]

BPS5000 Dissertation (Semesters 1 and 2) [8 units]

BPS5112 Green Building Integration and Evaluation Studio (Semester 2) [4 units]

*Required to take both BPS5233 and BPS5234A first

BPS5221 Microclimate Design (Semester 1) [4 units]

BPS5223 Building Energy Performance - Passive Systems (Semester 1) [4 units]

BPS5224 Building Energy Performance - Active Systems (Semester 1) [4 units]

BPS5225 Building Energy Audit and Performance Measurement and Verification (Semester 2) [4 units]

BPS5226 Smart Buildings and Facilities (Semester 2) [4 units]

BPS5228 Advanced Building Materials and Structures (Semester 2) [4 units]

BPS5230 Data-Driven Decision-Making for Smart Building Operations (Semester 2) [4 units]

BPS5231 AI for Sustainable Building Design (Semester 1) [4 units]

BPS5232 Environmental, Social and Governance (ESG) in the Built Environment (Semester 2) [4 units]

BPS5233 Building Energy Analysis and Simulation (Semester 1) [4 units]

BPS5234A CFD Applications in the Built Environment (Semester 1) [4 units]

BPS5235 Graduate Internship (3 months) [4 units]

BPS5236 Extended Graduate Internship (6 months) [8 units]

UNRESTRICTED ELECTIVES [MAX. 8 UNITS]

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

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Course offerings are subject to change and university approval.