Postgraduate Certificate (PgCert) in Smart Buildings and Digital Engineering (SBDE) Programme Structure

Term 1

- Core Knowledge
  - Building systems physics (15 credits) BENV0084
  - Engineered environmental elements (15 credits) BENV0085

- Integrated Building Design for Health and Well-being (15 credits) BENV0055

- Building systems modelling (15 credits) BENV0086

Term 2

- Option Modules
  - Optional module 1 (15 credits)
  - Optional module 2 (15 credits)

- Integrated Building Design and Operation
  - Building systems development and operation (15 credits) BENV0087

- Advanced Methods
  - Integrated building systems simulation (15 credits) BENV0088

- Red lines connect modules which either complement each other or follow a logical progression.
- Four Study areas: Fundamentals (Green), Integrated Design and Operation (Yellow), Advanced Methods (Orange), Directed Learning (Blue).
- The structure is arranged so that lectures can be scheduled so both part-time and modular/flexible students can attend on a one day per week basis.
- To obtain the PG Cert qualification students must take and successfully complete four taught modules, of which at least three of these modules must be core modules.
- PG Cert students (both full-time and flexible) are encouraged to talk to the programme director so that a plan of study can be devised in line with their interests and constraints.
- Optional Modules: Students choose at most one module from the list of seven optional modules (depending upon availability):
  - Indoor Air Quality in Buildings
  - Light, Lighting and Wellbeing in Buildings
  - Multi-Objective Design Optimisation
  - Building Acoustics
  - Post-Occupancy Evaluation
  - Low-Energy Housing Retrofit
  - Mathematical Modelling Methods for the built environment

Information correct for the 2019/20 academic year