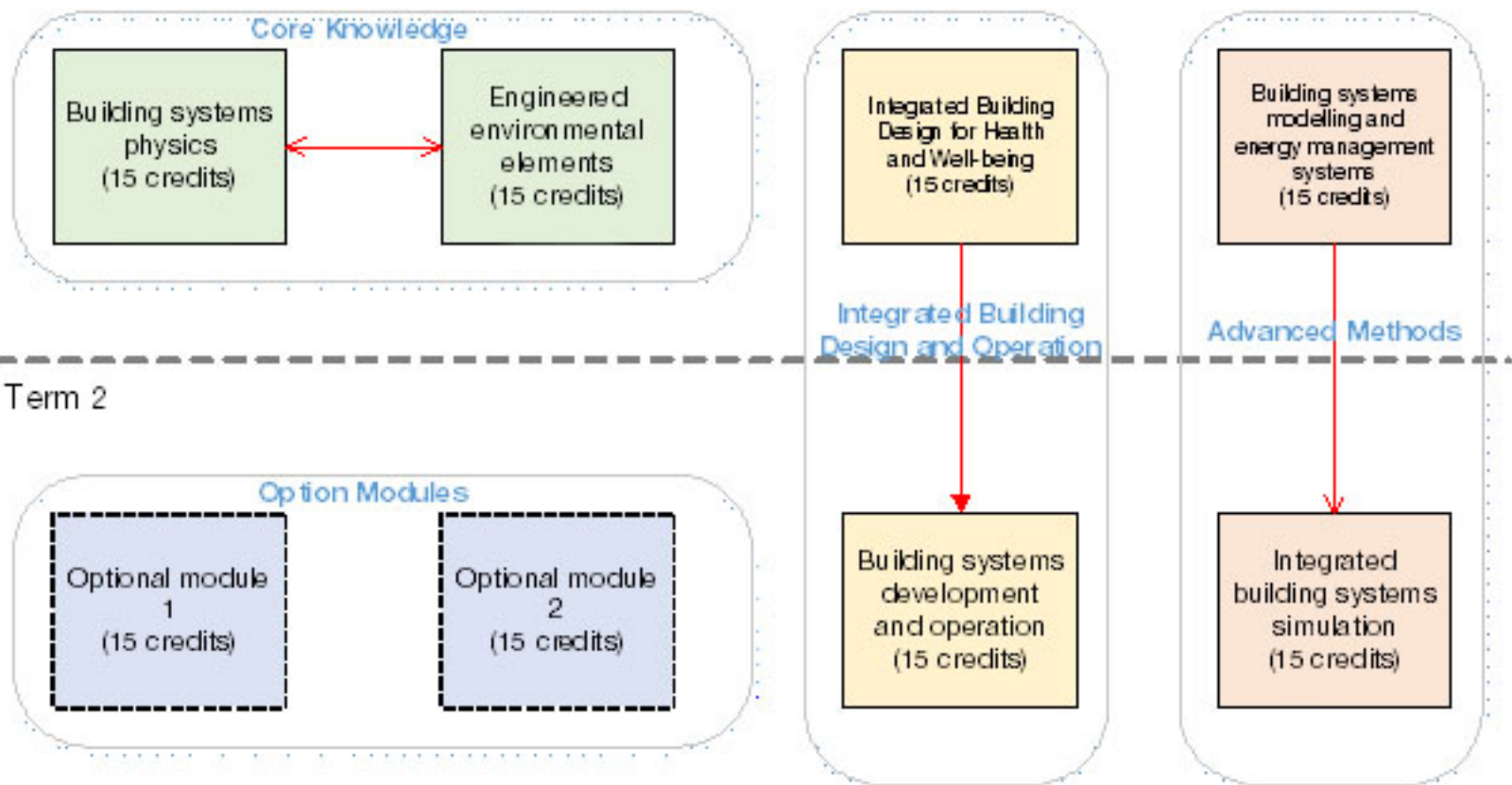


Smart Buildings and Digital Engineering (SBDE) Programme Structure

Term 1



Term 2

Term 3

MSc dissertation (60 credits)

- 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.

Locations:

Bloomsbury

Here East

Bloomsbury

Here East

Full-time students:

Term 1: Day 1: Building Systems Physics and Engineering environmental elements
Day 2: Integrated design for health, comfort and wellbeing and Building systems modelling and energy management systems
Term 2: Day 1: Building system development and operation and Integrated building systems simulation
Day 2: Optional modules 1 and 2

Part-time/Modular students:

Term 1, Day 1: Building Systems Physics and Engineering environmental elements
Term 2, Day 1: Optional modules 1 and 2
Term 1, Day 2: Integrated design for health, comfort and wellbeing and Building systems modelling and energy management systems
Term 2, Day 2: Building system development and operation and Integrated building system simulation

Modular/flexible students: Devise a study plan in consultation with the programme director.

Optional modules: Students choose two from the list of six optional modules:

- Indoor Air Quality in Buildings
- Light, Lighting and Wellbeing in Buildings
- Multi-Objective Optimisation
- Building Acoustics
- Post-Occupancy Evaluation
- Low-Energy Housing Retrofit