MSc in Intelligent Buildings: Design, Construction and Management

Candidates for admission to the course, which is available only on a part-time basis, should normally hold a good first degree or an equivalent professional qualification. At least two years’ professional experience is required.

The course starts in October of the year of entry and continues for approximately twenty-four months. The course is intended for those wishing to learn about the performance of buildings and the interactive nature of architecture and engineering from the perspectives of changes in society, technology and environment and who at present hold a more specialist qualification. Candidates may take either eight modules plus a dissertation or ten modules plus an industrial project.

The following core modules will be offered:

*Intelligent Buildings:*
- Concepts, Strategy and Management
- Building Systems, Architecture and People
- Information Technology and Communication Systems
- Integrated Building Design I
- Financial Analysis and Investment Appraisal

*The following gives an indication of the elective modules which may be available:*
- Facilities Management
- Design Management
- Project Strategy
- Sustainable Design, Construction and Operation
- Integrated Building Design II
- Briefing
- Culture of Living and Working
- Life Long Learning
- Research Methodology (2 modules)

The availability of Elective Modules is subject to the arrangements made from time to time at the discretion of the course director.

The course will be taught by means of lectures, seminars, laboratory and fieldwork projects and case studies. Private study will be an important part of the course.

**Option 1, Eight modules plus a Dissertation**

The Examination will consist of three parts:
(a) Two three-hour written papers taken in September at the end of the first year. A candidate who reaches the required standard in these written papers will be permitted to proceed to the second part of the course. Re-sit examinations will be held in the following January.
(b) Two three-hour written papers taken in September at the end of the second year. Re-sit examinations will be held in the following November.
(c) A dissertation of approximately 15,000 words to be submitted by 30 September of the second year. Project work, seminar papers, essays and case study work, which form an important part of the course, will also be taken into account in the award of the degree.

All modules will contain some continuous assessment work.

Option 2, Ten Modules plus an Industrial Project
The examination will consist of three parts:
(a) Two three-hour and one and a half-hour written papers taken in September at the end of the first year. A candidate who reaches the required standard in these written papers will be permitted to proceed to the second part of the course. Re-sit examinations will be held in the following January.
(b) Two three-hour and one and a half-hour written papers taken in September at the end of the second year. Re-sit examinations will be held in the following November.
(c) An industrial project to be submitted by 30 September of the second year.

Project work, seminar papers, essays and case study work, which form an important part of the course, will also be taken into account in the award of the degree. All modules will contain some continuous assessment work.

This course is part of the Integrated Graduate Development Scheme sponsored by the Engineering and Physical Sciences Research Council.