The IBPD is a mandatory course for final year students of all bachelor degree programmes currently run by the Department of Architecture and Civil Engineering. These programmes cover the studies of architecture, civil and structural engineering, building services engineering, and surveying.

Students are required to use Building Information Modelling (BIM) across all disciplines in the project development process of this course.
Themes of study
• Building services engineering
• Building energy
• Heating, ventilation and air conditioning
• Fire engineering
• Piped services
• Electrical services

Professional careers
• Registered professional engineer in building services, energy and fire engineering disciplines
• Project manager
• Property manager
• Equipment supply engineer
• Site engineer
• Consulting engineer

The major aims at equipping students with a solid foundation to work as a civil engineer. The major covers a wide spectrum of topics, for examples, construction technology, geotechnical engineering, structural engineering, engineering management, transportation engineering, hydraulic engineering and environmental engineering. Hong Kong is well-known to the world for its high population density. The high demand on super tall buildings, complex infrastructures and metro systems making civil engineering an important profession in Hong Kong.

Themes of study
• Structural analysis and design
• Geotechnical engineering and foundation design
• Environmental engineering
• Transportation engineering
• Construction technology and management
• Hydraulics and hydrology

Professional careers
• Registered professional engineer in civil, structural and geotechnical engineering disciplines
• Project manager
• Authorized person