

BEng (Hons) Civil Engineering

Civil Engineering/ Faculty of Science and Engineering

Year 1 Modules

Module Code	Module Title	Credits
CELEN120	Foundation Algebra	20
CELEF008	Introduction to Academic Skills	10
CELEN038	The Scientific Method	10
CELEN122	Foundation Electromagnetism and Mechanics	20
CELEN037	Foundation Calculus and Mathematical Techniques	20
CELEN040	Foundation Chemistry	10
CELEN052	English in Specific Academic Contexts B (Engineering; Comp Sci; Env'mental Sci & Architecture)	20
CELEN082	Oral Communication Skills B	20

Year 2 Modules

Module Code	Module Title	Credits
CIVE1015	Hydraulics 1	10
CIVE1017	Group Design Project	30
CIVE1018	Portfolio of Civil Engineering Studies	30
MATH1031	Mathematical Methods for Civil Engineering	20
CIVE1025	Structural Analysis 1	20
CIVE1014	Geotechnics 1	10

Year 3 Modules

Module Code	Module Title	Credits
CIVE2025	Hydraulics 2	10
CIVE2054	Fundamentals of Materials	10
CIVE2053	Civil & Structural Steel Design Project	30
CIVE2052	Portfolio of Civil Engineering Studies 2	30
CIVE2051	Structural Analysis 2	20
CIVE2029	Geotechnics 2	10
MATH2031	Advanced Mathematical Methods for Civil Engineering	10

Year 4 Modules

Compulsory Modules

Module Code	Module Title	Credits
CIVE3048	BEng Individual Investigative Project	20
CIVE3073	Structural Concrete Design	20
CIVE3049	Geotechnics 3	20
CIVE3055	BEng Group Design Project	30
CIVE3074	Hydraulic Design and Experiments	20

Optional Modules

Module Code	Module Title	Credits
CIVE4088	Railway Technology	10
CIVE3072	Traffic Engineering	10