

BEng (Hons) Environmental Engineering

Chemical and Environmental 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
CHEE1022	Fundamentals of Engineering Design	20
CHEE1023	Fluid Mechanics	10
CHEE1041	Process Engineering Principles	20
CHEE1042	Chemistry For Engineers	20
MATH1047	Mathematical Methods for Chemical and Environmental Engineering	20
CHEE1030	Introductory Geology	10
CHEE1040	Thermodynamics And Heat Transfer	20

Year 3 Modules

Module Code	Module Title	Credits
CHEE2037	Hydrology and Hydrogeology	10
CHEE2051	Separation and Particle Technology	20
CHEE2041	Environmental Assessment	20
CHEE2050	Process Design and Control	20
MATH2052	Advanced Mathematical Modelling for Process Engineers	20
CHEE2035	Analytical Measurement	10
CHEE2052	Materials and Sustainable Processes	20

Year 4 Modules

Module Code	Module Title	Credits
CHEE3029	Multicomponent Separations	10
CHEE3032	Reactor Design	10
CHEE3035	Water Treatment	10
CHEE3040	Air Pollution	10
CHEE3042	Process Engineering Laboratories	10
CHEE3034	Design Project	40
CHEE3030	Process Dynamics and Control	10
CHEE3033	Advanced Transport Phenomena	10
CHEE3039	Hazardous waste management	10