

BEng (Hons) Chemical Engineering

Chemical and Environmental Engineering / Faculty of Science and Engineering

Year 1 Modules

Module Code	Module Title	Credits
CELEF008	Introduction to Academic Skills	10
CELEN038	The Scientific Method	10
CELEF005	Foundation Algebra	20
CELEN056	Electricity and Magnetism	10
CELEN057	Foundation Mechanics	10
CELEF003	Foundation Calculus	20
CELEF006	English for Specific Academic Purposes: Science and Engineering	10
CELEN040	Foundation Science B: Chemistry	15
CELEN058	Further Foundation Mechanics	15

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
CHEE2027	Chemical and Phase Equilibria	10
CHEE2029	Interfacial Chemistry	10
CHEE2051	Separation and Particle Technology	20
CHEE2050	Process Design and Control	20
MATH2052	Advanced Mathematical Modelling for Process Engineers	20
CHEE2030	Process Engineering Project	10
CHEE2035	Analytical Measurement	10
CHEE2052	Materials and Sustainable Processes	20

Year 4 Modules

Module Code	Module Title	Credits
CHEE3029	Multicomponent Separations	10
CHEE3031	Process Simulation 1	10
CHEE3032	Reactor Design	10
CHEE3041	Industrial Process Analysis	10
CHEE3042	Process Engineering Laboratories	10
CHEE3034	Design Project	40
CHEE3030	Process Dynamics and Control	10
CHEE3033	Advanced Transport Phenomena	10
CHEE3036	Biochemical Engineering	10