

CHEMICAL & PROCESS ENGINEERING



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

CHOOSE YOUR FOCUS

Y1	ENGEN170 Engineering and Society	ENGEN180 Foundations of Engineering	ENGEN101 Engineering Maths and Modelling 1A	ENGEN102 Engineering Maths and Modelling 1B	One of ENGEN103 or COMPX101	ENGEN112 Materials Science and Engineering	CHEMY102 Chemical Reactivity 	Programme Elective	
Y2	ENGEN270 Engineering and Business	ENGEN201 Engineering Maths and Modelling 2	ENGCB280 Process Engineering Design 1 	ENGCB223 Fluid Mechanics 	ENGCB224 Heat and Mass Transfer 	ENGME221 Engineering Thermodynamics 	Programme Elective	Programme Elective	ENGEN271 Engineering Work Placement 1
Y3	ENGEN370 Engineering and the Environment	ENGCB380 Process Engineering Design 2 	ENGCB327 Food and Bioprocess Engineering 	ENGCB321 Thermal Engineering 	ENGME352 Control and Applications 	ENGCB323 Chemical Reaction Engineering 	ENGCB324 Mass Transfer Operations 	Programme Elective	ENGEN371 Engineering Work Placement 2
Y4	ENGEN570 Engineering and the Profession	ENGEN582 Honours Research and Development Project (45 points) 			ENGCB581 Advanced Process Engineering Design 	ENGCB521 Advanced Process Control 	One of ENGCB523 or ENGCB527	Programme Elective	

FOLLOW AN ELECTIVE THEME OR MIX AND MATCH

	AI & DIGITALISATION	CHEMISTRY	FOOD & MICROBIOLOGY	HEALTH & GENETICS	MATERIALS (PROCESSING)	MATERIALS (MECHANICS)	RENEWABLE ENERGY	WATER & THE ENVIRONMENT	
Y1	COMPX102 Object-Oriented Programming	BIOMO101 Introduction to Molecular and Cellular Biology	BIOMO101 Introduction to Molecular and Cellular Biology	BIOMO101 Introduction to Molecular and Cellular Biology	ENGEN110 Engineering Mechanics	ENGEN110 Engineering Mechanics	ENGEN111 Electricity for Engineers	BIOMO101 Introduction to Molecular and Cellular Biology	Chemical & Process
Y2	COMPX216 Artificial Intelligence	CHEMY204 Analytical Chemistry	BIOMO203 Microbiology	BIOMO202 Genetics	ENGMP211 Materials 1	ENGMP213 Mechanics of Materials 1	COMPX216 Artificial Intelligence	ENGEV241 Environmental Engineering 1	Biological
Y3	COMPX310 Machine Learning	CHEMY201 Organic Chemistry	BIOMO303 Advanced Microbiology	BIOMO302 Advanced Genetics	ENGMP311 Materials 2	ENGMP313 Mechanics of Materials 2	CHEMY202 Chemical Dynamics	ENGEV341 Environmental Engineering 2	Energy
Y4	COMPX523 Machine Learning for Data Streams	ENGCB527 Advanced Food and Bioprocess Engineering	ENGCB527 Advanced Food and Bioprocess Engineering	BIOMD306 Molecular Biology and Health	ENGMP512 Advanced Materials Manufacture	ENGMP512 Advanced Materials Manufacture	ENGCB527 Advanced Food and Bioprocess Engineering	ENGEV541 Advanced Water and Wastewater Engineering	

Common
 Stream
 Elective
 Work Placement