POSTGRADUATE CERTIFICATE IN INDUSTRIAL BIOTECHNOLOGY AND BIOMANUFACTURING

Code	Title	Credits
Students comple following:	te modules to the value of 30 credits from the	
Core Modules		
MB6004	Advanced Molecular Microbial Biotechnology	5
MB6015	Microbial Strain Engineering	5
MB6016	Microbial Physiology in Bioreactors	5
MB6017	Biorefinery concepts for the bio-based economy	y 5
PE6037	Experimental Design and Data Analysis for Bioprocessing	5
PE6038	Industrial Bioprocessing Systems	5
PE6039	Manufacturing Excellence in the Bioprocessing Industries	5
PE6042	Sustainable Biochemical Engineering	5
PE6040	Engineering principles and operation of microbi bioprocesses	ial 10
PE6041	Bioprocess Design Studio	10