

BEngTech Course Code	NZDE Course Code	Discipline	Approved by NZBED/ BEngTech QA		BEngTech Course Code	NZDE Course Code	Discipline	Approved by NZBED/ BEngTech QA		BEngTech Course Code	NZDE Course Code	Discipline	Approved by NZBED/ BEngTech QA
MG5032 Basic Structures	DE5201 Structures 1	Civil	✓		MG5016 Power	DE5401 Power	Electrical	✓		MG5029 Strength of Materials 1	DE5302	Mech	✓
MG5008 Fluid Mechanics	DE5203 Hydraulics (Civil)	Civil	✓		MG5018 PLC PROGRAMMING 1	DE5402 PLC PROGRAMMING 1	Electrical	✓		MG5030 Thermodynamics & Heat Transfer	DE5301	Mech	✓
MG5012 Highway Engineering	DE5204 Highway Engineering 1	Civil	✓		MG5019 Electronics 1	DE5407	Electrical	No action for NZBED		MG6032 Fluid Mechanics	DE6301	Mech	✓
MG5009 Engineering Site Investigation	DE5207 Geotechnical Engineering 1	Civil	✓		MG5020 Microcontrollers 1	DE5406	Electrical	No action for NZBED		MG6033 Mechanics of Machines	DE6302	Mech	No action for NZBED
MG6012 Geotechnical Engineering A	DE6201 Geotechnical Engineering 2	Civil	✓		MG5021 Electronics Manufacturing 1	DE5414	Electrical	No action for NZBED		MG6037 Advanced Thermodynamics	DE6309	Mech	✓
MG6014 Highway Design and Maintenance	DE6202 Highway Engineering 2	Civil	✓		MG5022 Computer Programming 1	DE5405	Electrical	No action for NZBED		MG6038 Strength of Materials 2	DE6038	Mech	✓
MG6015 Traffic Engineering	DE6203 Traffic Engineering	Civil	✓		MG5026 INSTRUMENTATION AND CONTROL 1	DE5417	Electrical	✓					
MG6109 Water and Wastewater Engineering	DE6205 Water and Wastewater System	Civil	✓		MG5035 ELECTRONIC PRINCIPLES	DE5403	Electrical	No action for NZBED					
MG6110 Water and Waste Treatment	DE6206 Water and Waste Management	Civil	✓		MG6019 PLC PROGRAMMING 2	DE6411	Electrical	✓					
					MG6021 Electronics 2	DE6402	Electrical	No action for NZBED					
					MG6022 Microcontrollers 2	DE6417	Electrical	No action for NZBED					
					MG6025 Programming for Engineers 2 (Was called Computer Programming2)	DE6412	Electrical	✓					
					MG6031 INSTRUMENTATION AND CONTROL 2	DE6414	Electrical	✓					
					MG6047 PROTECTION	DE6420	Electrical	No action for NZBED					
					MG6118 SUSTAINABLE ENERGY AND POWER ELECTRONICS	DE6421	Electrical	No action for NZBED					