



WAETURE HŌTAKA | PROGRAMME REGULATIONS

Bachelor of Engineering Technology (BEngTech) [Ver:2]

To be read in conjunction with Unitec's Academic Statute, Academic and Programme Management policy, and other relevant policies.

These programme regulations apply to the Bachelor of Engineering Technology [CA2381] (Level 7, 360 credits) [Ver:2] with majors in Civil Engineering and Electrical Engineering.

These regulations come into effect from **Semester 1, 2019**.

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1. Ngā Ture Hei Whakaurunga | Admission Requirements

To be read in conjunction with Unitec's Admission Requirements Policy.

1.1 Whakaurunga Whānui | General Admission

To be admitted to this programme all applicants must be at least 16 years of age on the date of the programme's commencement for the semester in which they wish to enrol (or provide a completed Early Release Exemption form), and meet the following requirements:

- a. A minimum on 60 NCEA credits at Level 3 including:
 - A minimum of 14 credits at Level 3 in Physics; and
 - A minimum of 14 credits at Level 3 in Mathematics (including Algebra and calculus); and
 - A minimum of 14 credits at Level 3 in one other subject from the list of approved NZQA UE subject list; and
 - A minimum of 18 credits at Level 3 or higher taken from no more than two additional subjects from the approved subjects listing at NZQA;

and

- b. A minimum of 10 NCEA English credits at Level 2 or above made up with a minimum of 5 credits in reading and a minimum of 5 credits in writing;

or

- c. Equivalent academic qualifications which may include:
 - University Bursary with 45% or more in both Physics and Calculus or Algebra; or
 - Equivalent Cambridge score; or
 - Equivalent International Baccalaureate.

1.2 Whakaurunga Motuhake | Special Admission

Applicants must have:

- a. attained the age of 20 years on or before the first day of the semester in which study for the Certificate programme is to commence; and
- b. provided sufficient evidence of aptitude or appropriate work or other life experience that would indicate a successful outcome in the qualification.

1.3 Whakaurunga Kōwhiringa | Discretionary Admission

In exceptional cases an applicant who does not meet the general admission requirements and who has not reached the age of 20 on or before the first day of the semester in which study for the Certificate is to commence may apply for discretionary admission.

In assessing whether to grant discretionary admission in exceptional cases, the primary focus will be on the applicant's level of preparedness for study at the required level.

1.4 Whakaurunga Reo Pākehā | English Language Admission Requirements

Applicants must have achieved a minimum of 10 NCEA English credits at Level 2 or above made up with a minimum of 5 credits in reading and a minimum of 5 credits in writing.

International applicants must meet the minimum academic entry requirements and have achieved an overall band score (Academic) of 6.0 IELTS, (writing and speaking score no less than 6.0 and reading and listening bands no less than 5.5) or equivalent as stated in Unitec's Admission Requirements Policy.

2. Paearu Kōwhiri Tukanga | Selection Criteria & Process

2.1 Paearu Kōwhiri | Selection Criteria

All applicants who meet the entry criteria are eligible for selection.

When the number of eligible applicants for admission exceeds the number of places available, the following selection criteria may be applied:

- Academic achievement in related subject areas such as statistics, technology, graphics
- Previous academic achievements
- Communication skills
- Motivation to complete the programme
- Life or work experience in, or appropriate to, the programme
- Ability to participate in field work aspects of the programme where relevant

Applicants who meet the greatest number of criteria will be the preferred applicants. Should the number of applicants who meet the selection process requirements exceed the available places; the professional judgement of staff will be used to determine those given immediate entry and those placed on a waiting list

2.2 Tukanga Kōwhiri | Selection Process

Selection will be made by a subcommittee set up for the purpose with the delegated authority to offer places to applicants. The subcommittee will select students on the basis of written information supplied on the enrolment form. At the discretion of the subcommittee, an interview (face-to-face or electronic) may be required.

Applications will be processed simultaneously after the preferred application date. Professional judgement of academic staff involved will be used to determine those applicants who are judged to be the most appropriate for entry to the programmes.

Applicants may be invited to an interview and may be required to produce a work-based portfolio (where appropriate). Where there are more applicants than places applicants will need to state which is their preferred discipline of study.

3. Ngā Ture Hei Whakawhiwhi Tohu Mātauranga | Requirements for the Award of the Qualification

3.1 Whakaemi Tūtukitanga | Credit Accumulation

3.1.1 Bachelor of Engineering Technology

To be awarded the Bachelor of Engineering Technology [Ver:2], a student must successfully complete a minimum of 360 credits in the pattern for their chosen major set out in Table 1a or 1b, and from courses described in Table 2a and 2b and Major specific courses according to their chosen major:

Civil Engineering: Table 3a (Compulsory courses) and Table 3b (Elective courses); or

Electrical Engineering: Table 4a (Compulsory courses) and Table 4b (Elective courses)

Table 1a: Credit Requirements for the Bachelor of Engineering Technology (Civil Engineering)

Level	Common Compulsory	Major Specific Compulsory	Major Specific Elective	Major Specific Or Common Elective	Total Credits
5	75	90			165
6	15	30			45
7	45		15	15	75
5, 6 or 7			45	30 ¹	75
					360

Table 1b: Credit Requirements for the Bachelor of Engineering Technology (Electrical Engineering)

Level	Common Compulsory	Major Specific Compulsory	Major Specific Elective	Major Specific Or Common Elective	Total Credits
5	75	30			105
6	15	15			30
7	45		15	15	75
5, 6 or 7			120	30 ¹	150
					360

¹ A maximum of 30 elective credits from outside the Bachelor of Engineering Technology are permitted, refer 'Selection of electives' below.

Selection of electives

Electives within each major are to be selected from courses within that major, or from the common electives list, or from courses within the programme with a coherent relationship to that major. Major specific electives have been arranged into a number of indicative pathways to assist student to make elective choices (see 3.2.1 below).

A maximum of 30 credits (two electives) at level 5, level 6 or level 7, from outside the programme may be credited towards the degree following approval from the relevant academic authority. These may replace both major specific and common electives.

Electives selected must meet academic requirements for course prerequisites and completion of the programme.

3.1.2 Common courses for the Bachelor of Engineering Technology

Table 2a: Common Compulsory Courses

Compulsory courses are shown in **bold**

Course No	Course Name	Credits	Pre-requisites	Co-requisites	Restrictions
Level 5					
ENGGMG5001	Engineering Computing	15			
ENGGMG5002	Engineering Mechanics	15			
ENGGMG5003	Engineering Communication	15			
ENGGMG5004	Engineering Mathematics 1	15			
ENGGMG5005	Engineering Design and Drawing	15	ENGGMG5003*		
Level 6					
ENGGMG6103	Engineering Management Principles	15	ENGGMG5003		ENGGMG6003
Level 7					
ENGGMG7101	Engineering Development Project	30	45 credits at Level 6		ENGGMG7001
ENGGMG7121	Professional Engineering Practice	15	ENGGMG6103		ENGGMG7021

* Recommended Pre-Requisite by Unitec

Table 2b: Common Elective Courses

Elective courses are shown in *Italics*

Course No	Course Name	Credits	Pre-requisites	Co-Requisites	Restrictions
Level 5					
<i>ENGGMG5090</i>	<i>Heritage, Culture and Sustainability in Engineering</i>	15			
Level 6					
<i>ENGGMG6048</i>	<i>Special Topic</i>	15			
<i>ENGGMG6190</i>	<i>Mathematics 2</i>	15	<i>ENGGMG5004</i>		

Level 7					
ENGGMG7025	<i>Project Management</i>	15	ENGGMG6003 or ENGGMG6103		ENGGMG6004
ENGGMG7026	<i>Risk Management</i>	15	ENGGMG6103		
ENGGMG7047	<i>Special Topic</i>	15			

3.1.3 Civil Engineering Major Specific Courses

Table 3a: Compulsory Courses for Bachelor of Engineering Technology (Civil Engineering)

Compulsory courses are shown in **bold**

Course No	Course Name	Credits	Pre-requisites	Co-requisites	Restrictions
Level 5					
ENGGMG5009	Engineering Site Investigation	15			
ENGGMG5032	Basic Structures	15	ENGGMG5002		ENGGMG5007
ENGGMG5107	Civil Materials	15			ENGGMG5007
ENGGMG5006	Land Surveying	15			
ENGGMG5008	Fluid Mechanics	15	ENGGMG5002		
ENGGMG5012	Highway Engineering	15			
Level 6					
ENGGMG6005	Civil Engineering Detailing and Modelling	15	ENGGMG5005		
ENGGMG6106	Civil Engineering Construction Practices	15	ENGGMG5003		ENGGMG6006

Table 3b: Elective Courses for Bachelor of Engineering Technology (Civil Engineering)

Elective courses are shown in *Italics*

Course No	Course Name	Credits	Pre-requisites	Co-requisites	Restrictions
Level 5					
ENGGMG5113	<i>Fundamentals of Environmental Engineering</i>	15			ENGGMG5013
Level 6					
ENGGMG6007	<i>Structural Steel and Timber</i>	15	ENGGMG6046		
ENGGMG6008	<i>Structural Concrete</i>	15	ENGGMG6046		
ENGGMG6011	<i>Hydrology and Erosion Management</i>	15			
ENGGMG6012	<i>Geotechnical Engineering A</i>	15	ENGGMG5009		ENGGMG5011
ENGGMG6013	<i>Engineering Geology</i>	15	ENGGMG5107	ENGGMG5009	
ENGGMG6014	<i>Highway Design and Maintenance</i>	15	ENGGMG5012		

ENGGMG6015	Traffic Engineering	15	ENGGMG5012	ENGGMG5004	
ENGGMG6045	Geotechnical Engineering B	15	ENGGMG6012		ENGGMG7006
ENGGMG6046	Structural Principles	15	ENGGMG5032, ENGGMG5107		ENGGMG5010
ENGGMG6109	Water and Waste Engineering	15		ENGGMG5008	ENGGMG6009
ENGGMG6110	Water and Waste Treatment	15			ENGGMG6010
ENGGMG6116	Sensitive Environment	15			ENGGMG6016
Level 7					
ENGGMG7004	Design of Structures	15	ENGGMG6007, ENGGMG6008		
ENGGMG7005	Urban Drainage Systems	15	ENGGMG6109		
ENGGMG7007	Urban Transport Planning	15	ENGGMG5012		
ENGGMG7008	Sustainable Resource Utilisation	15			
ENGGMG7045	Geotechnical Engineering C	15	ENGGMG6045		
ENGGMG7109	Resource and Environmental Management	15			ENGGMG7009

3.1.4 Electrical Engineering Major Specific Courses

Table 4a: Compulsory Courses for Bachelor of Engineering Technology (Electrical Engineering)
Compulsory courses are shown in **bold**

Course No	Course Name	Credits	Pre-requisites	Co-requisites	Restrictions
Level 5					
ENGGMG5034	Electrical Principles	15			ENGGMG5014
ENGGMG5035	Electronic Principles	15			ENGGMG5015
ENGGMG5014	Electrical and Electronic Principles 1	15			
ENGGMG5015	Electrical and Electronic Principles 2	15			
Level 6					
ENGGMG6136	Design	15	ENGGMG5003, ENGGMG5005		

Table 4b: Elective Courses for Bachelor of Engineering Technology (Electrical Engineering)
Elective courses are shown in *Italics*

Course No	Course Name	Credits	Pre-requisites	Co-requisites	Restrictions
Level 5					
ENGGMG5016	<i>Elements of Power Engineering</i>	15	ENGGMG5015 or ENGGMG5034		
ENGGMG5017	<i>Electrical Machines</i>	15	ENGGMG5015 or ENGGMG5034		

ENGGMG5018	PLC Programming 1	15	ENGGMG5001, (ENGGMG5014 or ENGGMG5034)		
ENGGMG5019	Electronics 1	15	ENGGMG5015 or ENGGMG5035		
ENGGMG5020	Microcontroller Systems 1	15	ENGGMG5001		
ENGGMG5021	Electronics Manufacturing 1	15	ENGGMG5015 or ENGGMG5035		
ENGGMG5022	Programming for Engineers 1	15	ENGGMG5001		
ENGGMG5023	PC Engineering	15			
ENGGMG5026	Instrumentation and Control 1	15	ENGGMG5014 or ENGGMG5034		
ENGGMG5124	Introduction to Networks	15			
ENGGMG5125	Routing and Switching Essentials	15	ENGGMG5124		
Level 6					
ENGGMG6019	PLC Programming 2	15	ENGGMG5018		
ENGGMG6020	Automation	15	ENGGMG6019		
ENGGMG6021	Electronics 2	15	ENGGMG5019		
ENGGMG6022	Microcontroller Systems 2	15	ENGGMG5020		
ENGGMG6023	Electronics Manufacturing 2	15	ENGGMG5021		
ENGGMG6024	Electronic Design	15	(ENGGMG5015 or ENGGMG5035), ENGGMG5020		
ENGGMG6025	Programming for Engineers 2	15	ENGGMG5022		
ENGGMG6026	Network Operating Systems	15	ENGGMG5023		
ENGGMG6031	Instrumentation and Control 2	15	ENGGMG5004, ENGGMG5026		
ENGGMG6032	Fluid Mechanics (Mech)	15	ENGGMG5002, ENGGMG5004		
ENGGMG6033	Mechanics of Machines	15	ENGGMG5002, ENGGMG5004		
ENGGMG6047	Protection	15	ENGGMG5004, ENGGMG5016		
ENGGMG6049	Telecommunications Intermediate	15	(ENGGMG5015 or ENGGMG5035), ENGGMG5124		ENGGMG5127 & ENGGMG5027
ENGGMG6117	Power Distribution	15	ENGGMG5016		ENGGMG6017
ENGGMG6118	Sustainable Energy and Power Electronics	15	ENGGMG5004, (ENGGMG5014 or ENGGMG5034), (ENGGMG5015 or ENGGMG5035)		ENGGMG6018
ENGGMG6127	Scaling Networks	15	ENGGMG5125		ENGGMG6027

ENGGMG6128	Connecting Networks	15	ENGGMG6127		ENGGMG6028
ENGGMG6129	Network Security	15	ENGGMG5125, ENGGMG6128		ENGGMG6029
ENGGMG6130	Advanced Network Routing	15	ENGGMG6128		ENGGMG6030
Level 7					
ENGGMG7011	Electrical Machine Dynamics	15	ENGGMG5017		
ENGGMG7012	Signal Processing	15	ENGGMG5004, ENGGMG5019		
ENGGMG7013	Embedded Systems	15	ENGGMG6022		
ENGGMG7014	Programming for Engineers 3	15	ENGGMG6025		
ENGGMG7017	Robotics	15	ENGGMG6019, ENGGMG6033		
ENGGMG7018	Systems and Control	15	ENGGMG6031		
ENGGMG7110	Power Systems	15	ENGGMG5016		ENGGMG7010
ENGGMG7115	Advanced Network Switching	15	ENGGMG6128		ENGGMG7015
ENGGMG7116	Advanced Network Troubleshooting	15	ENGGMG6130, ENGGMG7115		ENGGMG7016
ENGGMG7135	Telecommunications Advanced	15	ENGGMG6049		ENGGMG6135

3.1.5 Recommended Optional Pathways

Recommended optional pathways have been designed for each major (see Tables 5a and 5b) to improve flexibility, meet the variable requirements of different industries and institutions, and achieve breadth in the degree.

Table 5a: Civil Engineering Recommended Pathways

Year	Course Name	Level	Credits	Table
Structural Pathway				
2	ENGGMG6046 Structural Principles	6	15	Table 3b
3	ENGGMG6007 Structural Steel and Timber	6	15	Table 3b
3	ENGGMG6008 Structural Concrete	6	15	Table 3b
3	ENGGMG7004 Design of Structures	7	15	Table 3b
Water and Water Waste Pathway				
2	ENGGMG6109 Water and Waste Engineering	6	15	Table 3b
3	ENGGMG6110 Water and Waste Treatment	6	15	Table 3b
3	ENGGMG6011 Hydrology and Erosion Management	6	15	Table 3b
3	ENGGMG7005 Urban Drainage Systems	7	15	Table 3b

Geotechnical Pathway					
2	ENGGMG6012	Geotechnical Engineering A	6	15	Table 3b
3	ENGGMG6045	Geotechnical Engineering B	6	15	Table 3b
3	ENGGMG6013	Engineering Geology	6	15	Table 3b
3	ENGGMG7045	Geotechnical Engineering C	7	15	Table 3b
Roading/Transportation Pathway					
2	ENGGMG6012	Geotechnical Engineering A	6	15	Table 3b
2	ENGGMG6014	Highway Design and Maintenance	6	15	Table 3b
3	ENGGMG6015	Traffic Engineering	6	15	Table 3b
3	ENGGMG7007	Urban Transport Planning	7	15	Table 3b
Environmental Pathway					
2	ENGGMG5113	Fundamentals of Environmental Engineering	5	15	Table 3b
3	ENGGMG6116	Sensitive Environment	6	15	Table 3b
3	ENGGMG7008	Sustainable Resource Utilisation	7	15	Table 3b
3	ENGGMG7109	Resource and Environmental Management	7	15	Table 3b

Table 5b: Electrical Engineering Recommended Pathways

Year	Course Name	Level	Credits	Table	
Power Pathway					
2	ENGGMG5016	Elements of Power Engineering	5	15	Table 4b
2	ENGGMG5017	Electrical Machines	5	15	Table 4b
2	ENGGMG5018	PLC Programming 1	5	15	Table 4b
2	ENGGMG6117	Power Distribution	6	15	Table 4b
2	ENGGMG6118	Sustainable Energy and Power Electronics	6	15	Table 4b
2	ENGGMG6019	PLC Programming 2	6	15	Table 4b
3	ENGGMG6047	Protection	6	15	Table 4b
3	ENGGMG7110	Power Systems	7	15	Table 4b
3	ENGGMG7011	Electrical Machine Dynamics	7	15	Table 4b
Electronic Pathway					
2	ENGGMG5019	Electronics 1	5	15	Table 4b

2	ENGGMG5020	Microcontroller Systems 1	5	15	Table 4b
2	ENGGMG5021	Electronics Manufacturing 1	5	15	Table 4b
2	ENGGMG6021	Electronics 2	6	15	Table 4b
2	ENGGMG6022	Microcontroller Systems 2	6	15	Table 4b
2	ENGGMG6023	Electronics Manufacturing 2	6	15	Table 4b
3	ENGGMG6024	Electronic Design	6	15	Table 4b
3	ENGGMG7012	Signal Processing	7	15	Table 4b
3	ENGGMG7013	Embedded Systems	7	15	Table 4b
Computer Pathway					
2	ENGGMG5022	Programming for Engineers 1	5	15	Table 4b
2	ENGGMG5020	Microcontroller Systems 1	5	15	Table 4b
2	ENGGMG5023	PC Engineering	5	15	Table 4b
2	ENGGMG6025	Programming for Engineers 2	6	15	Table 4b
2	ENGGMG6022	Microcontroller Systems 2	6	15	Table 4b
2	ENGGMG6026	Network Operating Systems	6	15	Table 4b
3	ENGGMG7014	Programming for Engineers 3	7	15	Table 4b
3	ENGGMG7013	Embedded Systems	7	15	Table 4b
3	ENGGMG6024	Electronic Design	6	15	Table 4b
Network Pathway					
2	ENGGMG5124	Introduction to Networks	5	15	Table 4b
2	ENGGMG5125	Routing and Switching Essentials	5	15	Table 4b
2	ENGGMG5023	PC Engineering	5	15	Table 4b
2	ENGGMG6026	Network Operating Systems	6	15	Table 4b
2	ENGGMG6127	Scaling Networks	6	15	Table 4b
2	ENGGMG6128	Connecting Networks	6	15	Table 4b
3	ENGGMG6129	Network Security	6	15	Table 4b
3	ENGGMG6130	Advanced Network Routing	6	15	Table 4b
3	ENGGMG7115	Advanced Network Switching	7	15	Table 4b
3	ENGGMG7116	Advanced Network Troubleshooting	7	15	Table 4b
Mechatronics Pathway					
2	ENGGMG5018	PLC Programming 1	5	15	Table 4b

2	ENGGMG5026	Instrumentation and Control 1	5	15	Table 4b
2	ENGGMG6019	PLC Programming 2	6	15	Table 4b
2	ENGGMG6031	Instrumentation and Control 2	6	15	Table 4b
2	ENGGMG6032	Fluid Mechanics (Mech)	6	15	Table 4b
2	ENGGMG6033	Mechanics of Machines	6	15	Table 4b
3	ENGGMG6020	Automation	6	15	Table 4b
3	ENGGMG7017	Robotics	7	15	Table 4b
3	ENGGMG7018	Systems and Control	7	15	Table 4b
Telecommunications Pathway					
2	ENGGMG5020	Microcontroller Systems 1	5	15	Table 4b
2	ENGGMG5124	Introduction to Networks	5	15	Table 4b
2	ENGGMG5125	Routing and Switching Essentials	5	15	Table 4b
2	ENGGMG6022	Microcontroller Systems 2	6	15	Table 4b
3	ENGGMG6127	Scaling Networks	6	15	Table 4b
2	ENGGMG6049	Telecommunications Intermediate	6	15	Table 4b
3	ENGGMG6128	Connecting Networks	6	15	Table 4b
2	ENGGMG7135	Telecommunications Advanced	7	15	Table 4b
3	ENGGMG7012	Signal Processing	7	15	Table 4b

3.2 Mahi Waehanga Pāhekoheko | Integrated and Work-based components

Practical/work based components are integrated into the relevant courses throughout the three years with a strong emphasis on the industry project in the final year.

3.3 Mahi Akoranga I A Wāhanga | Course Load per Semester

The normal full-time course load is 60 credits per semester, or 75 credits with the approval of the relevant Academic Authority.

3.4 Whakaurunga Takiwā | Enrolment periods

- The normal enrolment period is three years (full-time study) or six years (part-time study).
- Students who are prevented by ill health, or other cause, from completing the programme requirements within the maximum period of enrolment, the relevant Academic Authority may approve suspension of enrolment for up to a maximum of six months.
- The maximum period to complete this qualification is ten years from the date of first enrolment.

3.5 Hōtaka Whakarerekē O Ngā Āhuatanga Ako | Modified Programmes of Study

There are no modified programmes of study available in this programme.

3.6 Whakawhiwhinga Puta | Exit or Milestone Awards

There are no exit or milestone awards available in this programme.

3.7 Ērā atu Whakawhiwhinga | Senior Scholar Award

To be eligible for consideration to receive a Senior Scholar Award a student:

- a. must have achieved a cumulative Grade Point Average (GPA) of 8.0 (there is no rounding) or better across all degree courses for which s/he has been assessed in the programme; and
- b. must have achieved at least 2/3 of the total credits for the degree through enrolment in Unitec courses (i.e. have achieved no more than 1/3 of the credits by cross credits from another institution or by the assessment of prior learning).

4. Tūtukitanga Whakamihi | Credit Recognition

Students may be eligible for Advanced Standing entry to the Bachelor of Engineering Technology programme. Advanced standing applications will be considered from experienced practitioners and/or graduates with other qualifications. Advanced standing will be assessed using criteria from the graduate profiles and programme outcomes from the Bachelor of Engineering Technology in accordance with credit recognition regulations (see 4.1 & 4.2 below).

- Students may be admitted to the second year of the programme if they have provided evidence that they have the qualifications and/or experience equivalent to the learning outcomes and standards of the first year of the degree.
- Students may be admitted to the third year if they have provided evidence that they have the qualifications and/or experience that is equivalent to the learning outcomes and standards of the first and second year of the degree, including suitable qualifications and/or experience in the particular field of their intended major.

4.1 Whakawhiti Tūtukitanga | Cross Credit

- a. Credits will not be awarded for successful study that took place more than 5 years prior to the date of first enrolment in the programme.
- b. A student may be awarded credits or exemptions in recognition of successful equivalent study, at the same or a higher level in the context of another programme.
- c. The credit recognition may be:
 - i. specified, where there is direct equivalence of the learning outcomes of a completed course and a course in the programme; or
 - ii. unspecified, where the previous study has taken place in a programme with a similar philosophy but there is no exact match in the programme's courses.

4.2 Aromatawai Tōmua | Assessment of Prior Learning (APL)

Assessment of Prior Learning is available for all courses in this programme. APL decisions will be made on a case-by-case basis under the Unitec Assessment of Prior Learning Policy.

4.2.1 Ngā whakawhitinga | Credit Transfer Arrangements Transferring from the NZ Diploma in Engineering (NZDE)

A graduate of the NZ Diploma in Engineering (NZDE) may be awarded 180 credits towards BEngTech in the appropriate major. Cross Credit processes will be applied according to 4.1 above.

5. Waeture Aromatawai | Assessment Regulations

The due dates for all summative assessment work will be notified at the commencement of each course.

5.1 Paparahi Aromatawai | Assessment basis

Assessment in this programme is achievement based using an 11 point scale.

Students must obtain at least 50% overall score in any achievement based in order to pass that course.

5.2 Ākoranga Taumata | Course grades

Course grades will be determined by the mathematical aggregation of weighted assessment marks and reported according to the following scales. Students must achieve a minimum of 40% in both aggregated coursework marks and in any final examination, with an overall grade of C- (50%) or better, to pass each course. Any deviation to this will be advised on the Course Descriptor.

Table 3: Achievement based (11-point) assessment system

Grade	Meaning	Result	Percentage
A+	Distinction	Credits Earned	90 – 100
A	Distinction	Credits Earned	85 – 89
A-	Distinction	Credits Earned	80 – 84
B+	Merit	Credits Earned	75 – 79
B	Merit	Credits Earned	70 – 74
B-	Merit	Credits Earned	65 – 69
C+	Pass	Credits Earned	60 – 64
C	Pass	Credits Earned	55 – 59
C-	Pass	Credits Earned	50 – 54
D	Fail	No Credits Earned	40 – 49
E	Fail	No Credits Earned	0 – 39

5.3 Paearu Taumata | Grade criteria

Students may be awarded one of the following grades for a course as per the criteria described in Table 4:

Table 4: Grade Criteria

Grade	Meaning	Criteria
CR ¹	Credit Recognition	The student has applied for and been awarded a credit recognition from another qualification.
CTG ²	Continuing	The Course runs for more than one semester and the final Summative Assessment has not yet occurred. No Credits earned.
DEF	Deferred	The student has approval to complete a Course Assessment beyond the schedule date. Unless an exception has been approved, any Deferred Grade remaining on a student's record beyond a duration equal to that of the original course will be changed to the grade to which the Student would otherwise be entitled. No Credits earned.

DNC	Did not Complete	The grade DNC (Did Not Complete) is recorded if a student has either withdrawn after 75% of the scheduled Course duration; or not attempted a compulsory item of Assessment within a Course. No Credits earned.
NGA ³	No Grade Associated	Course Assessment and reporting of results is carried out by an external agency. No Credits earned
R	Restricted Pass	The student has been awarded a restricted pass subject to Relevant clause in these regulations. Credits earned.
W ⁴	Withdrawn	The student withdraws from a Course after 10% of the scheduled Course duration and up to, or at, the date at which 75% of the scheduled Course has passed. No credits earned.
#	Estimated Grade	If any portion of Summative Assessment has been estimated, the final grade will be an estimated grade, and annotated “#” on the Student’s Academic Record.

¹ substitutes for CC, ADV and APEL in BEngTech document

² substitutes for NFY in BEngTech document

³ substitutes for NRE in BEngTech document

⁴ substitutes for WD in BEngTech document

5.4 Aromatawai Mahinga | Assessment Procedures

5.4.1 Aromatawai I Roto I Te Reo | Assessment in Te Reo

All students have the right to submit any summative assessment task in Te reo Māori. The process for submission of summative assessment work in Te reo Māori is detailed on Programme Moodle pages and other course material.

Assessment in Te Reo Māori is governed by the Unitec Assessment in Te Reo Māori policy.

5.4.2 Tāpaetanga Tōmuri | Submission and late submission of work

- a. Applications for extensions must be made in line with Practice Pathway/Network practice or under the Special Assessment Circumstances policy (see 5.8 below).
- b. Any assessment that is submitted late (and does not have a prior approved extension or Special Assessment Circumstance) will be penalised by a deduction of 10% per day of the student’s assignment mark, up to five (5) days, inclusive of weekends.
- a. No assignments will be accepted five (5) days (inclusive of weekends) after the due date. If the assessment is not compulsory, the student will receive a ‘zero’ grade for that assignment. If the assignment is compulsory, then the student will receive a DNC grade for the entire course.

5.4.3 Whakamātautau Anō | Resubmission or Reassessment

Resubmission

A student may apply to undertake a resubmission for a failed assessment within 5 days of receiving their marked assessment. A resubmission is a request for a learner to provide further evidence for assessment and applies only to uncontrolled coursework assessments (i.e. assignments, projects, etc.).

- a. Students are entitled to only one resubmission within any course.
- b. All resits and resubmissions will be carried out within a specified time period as agreed with the relevant academic authority. In all cases, the original marked assignment will accompany resubmitted assignments. If resubmitted work is not accompanied by the original marked assignment, the resubmitted work will not be marked and the original grade will stand.

- c. The maximum grade for any resit/resubmission of an assessment is the lowest pass grade.

Resit/Reassessment

Resits/Reassessments are not available for any controlled assessments (i.e. tests, and examinations).

5.4.4 Āhukatanga Aromatawai Motuhake | Special Assessment Circumstances

Any student whose performance in a summative assessment is affected by factors beyond their control may apply for Special Assessment Circumstances under the following conditions:

- a. The student was unable to complete the summative assessment item; *or*
- b. The students' ability to complete the summative assessment (preparation/performance) was impaired; *or*
- c. The student needs to request extra time to complete the summative assessment (see 5.4.3 above).

5.4.5 Pāhi Rāhui | Restricted passes

The relevant Academic Authority may award a 'restricted pass' in a course which was narrowly failed and where there is ample evidence that marginal failure is compensated by good overall performance.

Following are the conditions which apply to a restricted pass:

- A minimum mark of 45% overall has been achieved;
 - A minimum of 35% has been achieved in the exam;
 - A minimum of 35% has been achieved in the coursework;
 - Restricted passes are not permitted for MG7101 – Engineering Project or MG7121 – Professional Engineering Practice;
 - Restricted passes are non-advancing and may not be used to meet the prerequisite of another course;
- a. A student may decline the award of a restricted pass by notifying the office of the relevant Dean in writing not later than 20 working days from mailing of the results.

5.4.6 Akoranga Tuaruatanga | Repeating Courses

Students may enrol and repeat courses that they have failed, up to 2 times. Permission to enrol a third time is governed by 5.4.7 below.

Students who are repeating a course would normally be required to submit all assessment items. In some cases, with the prior approval of the relevant Academic Authority, students may not be required to repeat an equivalent assessment item that they had previously passed. This should be negotiated within the first two weeks of the commencement of the course. All course work marks carried over must be reported to the Metro Quality Group annually.

5.4.7 Whakakorenga | Exclusions

No student will be allowed to enrol in any course more than twice unless there are exceptional circumstances approved by the relevant Academic Authority.

Any student who, over the period covered by the last four semesters of his or her studies at Unitec, (including, where relevant, study at other institutions) has not achieved a Pass Grade in courses equivalent to at least 50% of the credits in which he or she has been enrolled over that

period, shall be excluded from the Programme and shall not be permitted to re-enrol in any programme without the prior permission of the relevant Academic Authority.

5.5 Tono Pira | Appeals

Students may appeal the decisions made under these regulations in accordance with the relevant section of the Academic and Programme Management Policy.

6. Āhuatanga Tauwhirowhiro Ritenga | Transitional Arrangements

Version 2 of the Bachelor of Engineering Technology (Civil Major) programme came into effect Semester 1, 2015. Students enrolled prior to 2015 were able to transfer to Version 2 and the following course equivalent table was used for this purpose.

Version 1 Course	Version 2 Equivalent Course
ENGG MG5010 Structural Principles 15cr	ENGG MG6046 Structural Principles 15cr
ENGG MG5013 Fundamentals of Environmental Chemistry 15cr	ENGG MG5113 Fundamentals of Environmental Engineering 15cr
ENGG MG6003 Engineering Management Principles 15cr	ENGG MG6103 Engineering Management Principles 15cr
ENGG MG6006 Construction Practices 15cr	ENGG MG6106 Civil Engineering Construction Practices 15cr
ENGG MG7009 Environmental Impact Assessment 15cr	ENGG MG7019 Resource and Environmental Management 15cr
ENGG MG7021 Professional Engineering Practice 15cr	ENGG MG7121 Professional Engineering Practice 15cr

Version 2 of the Bachelor of Engineering Technology (Civil Major) programme removed three compulsory courses. Students who were enrolled prior to 2015 had the opportunity to complete these courses and were counselled on a case by case basis. These courses are:

- ENGG MG5031 Professional Engineering Development 15cr;
- ENGG MG7021 Professional Engineering Practice 15cr;
- ENGG MG7001 Engineering Development Project 45cr.

Students who had successfully completed ENGG MG5031 Professional Engineering Development 15cr were not be required to complete the compulsory course ENGG MG5012 Highway Engineering 15cr.

6.1 Hōtaka Whakarerekē O Ngā Āhuatanga Ako | Modified Programmes of Study

There are no modified programmes of study currently available in this programme.

7. Whakaritenga Whānui | General Provisions

7.1 Whakamāramatanga ā-kaupapa | Definition of Terms

<Add any specific terms that may need clarification for these regulations. Arrange in alphabetical order once completed>

In these regulations, unless the context otherwise requires, the following definitions

shall apply:

- 'Affected' means influenced in some way. For time-constrained items such as tests, Examinations, and presentations this may include the inability to attend any or all of the Assessment events, or diminished performance. For other items it may be the inability to meet deadlines, or diminished performance within deadlines.
- 'Factors beyond the control of the Student' means any circumstance or situation, which the Student could not have reasonably prevented, including, but not limited to, sickness or injury to the Student, or bereavement.
- 'Relevant Academic Authority' refers to an individual or role holder, or in some cases a committee, who have been delegated the authority to make a decision within a specific circumstance. A schedule of the various relevant academic authority delegations are maintained by the Ako Ahimura Learning & Teaching Committee responsible for the Programme.

7.2 Ētahi Atu Whakaritenga | Other provisions not covered elsewhere

7.2.1 Variation of assessment

Assessments may be varied from those indicated in the NZ BEngTech Management Group definitive document. All Assessments must:

- Align with stated learning outcomes with each course descriptor/assessment map;
- Maintain integrity of graduate profile;
- Meet each ITP's QMS.

7.2.2 Ākongā Whakawhiti | Student Exchange

<The Outbound Exchange programme (known as the Unijet Student Exchange Programme) provides opportunity for Unitec students to study for one or two semesters at an internationally recognised partner institution. Study at the international partner institution is planned as part of the Unitec academic programme of study and upon successful completion of study overseas, cross credits are applied to the Unitec student's academic record upon their return to New Zealand. Insert any specific information for student exchange for your programme here. Examples shown below:>

Student Exchange may not take place as part of this programme.

- a. Student exchange may only take place <in Year 2 or the first part of Year 3>
- b. All applications to undertake student exchange will be approved by the relevant Academic Authority prior to commencement, on a case by case basis and their decision shall be final.
- c. Students must achieve at least a B Grade average for all of their course work across their study to be considered for student exchange options.
- d. In deciding whether or not to grant approval, factors such as the level and equivalence of course work and learning with the individual students study plan offered by the proposed host institution; the educative experience of study in an overseas setting; and the impact of missing core course work on the students programme of study may be considered.

8. Kupu Āpiti | Schedules or Appendices