Waeture Hōtaka | Programme Regulations



New Zealand Certificate in Automotive Engineering (Level 3) [NZCAE]

To be read in conjunction with Unitec's Academic Statute and associated Policies and Procedures.

These programme regulations apply to the New Zealand Certificate in Automotive Engineering [NZCAE] programme, which leads to the New Zealand Certificate in Automotive Engineering (Level 3) qualification (120 Credits) [3097-1].

These regulations come into effect from Semester 1, 2021.

1. Ngā Ture Hei	To be eligible for admission to this programme, all applicants must meet three admission
Whakaurunga	requirements:
Admission	a. Requirements for either general admission, special admission, or discretionary admission
Requirements	b. Any additional Programme specific requirements
	c. English language requirements
Admission	
Requirements	1.1 Whakaurunga Whānui General Admission
comply with	To be admitted to this programme all applicants must be at least 16 years of age on the date of the
Unitec's	programme's commencement for the semester in which they wish to enrol (or provide a completed
Admission	Early Release Exemption form), and meet the following requirements:
Requirements	Achieved the New Zealand Certificate in Educational Achievement (Level 1) in Mathematics,
Guidelines.	English, and Physics or General Science; or
	Equivalent.
	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
	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 Tautui Programme Specific Requirements
	There are no programme specific requirements.
	1.5 Whakaurunga Reo Pākehā English Language Admission Requirements
	All applicants must provide evidence that they have the necessary English language proficiency
	required for the Programme as demonstrated by the equivalence of NCEA (Level 1) English.
	International explicants and environments explicant for sub-on- Explicit. ME-stick MZ Cip. 1. 1.1.1.
	International applicants and any Domestic applicant for whom English, Māori or NZ Sign is not their
	first language must also provide evidence that they have the necessary English language proficiency
	we arrived for the Dressence as demonstrated by an equivalent described in NZCA Dubes and an the
	required for the Programme as demonstrated by an equivalent described in NZQA Rules and on the
2. Paearu	 required for the Programme as demonstrated by an equivalent described in NZQA Rules and on the Unitec English Language Requirements for International Students Web-page. 2.1 Paearu Kōwhiri Selection Criteria

Tukanga Selection		number of eligible applicant election criteria will be appl		sion exceed	s the number o	f places available, the		
Criteria &	 Applicants with high levels of achievement in NCEA Level 1 English, Maths, and Physics or General 							
Process		e will be preferred candidate			-	-, ,		
	 Applicants with low levels of achievement in NCEA Level 1 English, Maths, and Physics or General 							
Selection Criteria		e may be required to undert			-	-		
and Processes		an applicant may require to enter the programme.						
comply with								
Unitec's	2.2 Tukang	2.2 Tukanga Kōwhiri Selection Process						
Admission	Selection v	vill be made by Unitec staff r	nembers w	ith the dele	gated authority	to offer places to		
Requirements	applicants. These staff members will select students on the basis of written information supplied on							
Guidelines.		ent form. At the discretion of						
		quired. A list of delegated sta			ned by the Prog	ramme Academic Qualit		
		e (PAQC) responsible for the						
3. Ngā Ture Hei		emi Tūtukitanga Credit Ad						
Whakawhiwhi		rded the New Zealand Certif						
Tohu		y complete a minimum of 12	20 credits in	the patter	n set out in Tab	le 1 from the courses set		
Mātauranga	out in Tabl	e 2a or 2b.						
Requirements								
for the Award of		edit Requirements for New		-		gineering (Level 3)		
he Programme	Level	Compulsory Credits	Elective (Credits	Total Credits			
Requirements	3	120			120			
comply with					120			
Unitec's				· · ·				
Programme	Students v	/ill be enrolled in either the f	⁻ ull-time On	Campus De	elivery Pathway	(Table 2a), or the Part-		
Completion and	time Work	based Delivery Pathway (Ta	ble 2b) (see	e 3.2 below)				
Awards Policy								
and associated								
orocedure.								
	npus Pathway	Course Details						
Compulsory cour								
Course No	Course Name		Credits	Pre- requis	sites Co-requi	sites Restrictions		
Level 3								
APTE3101	Automotive	Norkshop Safety	10					
APTE3102	Workshop Er	gineering Tools and	15					
AFTESIOZ	Equipment -	Compulsory						
A DTE 24 22	Engines and	15						
APTE3103	Engines and	Cooling System	15					
	•	Cooling System g and Fuel Systems	10					
APTE3103 APTE3104 APTE3105	Engine Tunin							
APTE3104 APTE3105	Engine Tunin Automotive I	g and Fuel Systems	10 25					
APTE3104	Engine Tunin Automotive I Automotive ⁻ Systems	g and Fuel Systems Brakes and Steering	10 25					

Table 2b: Work-based Pathway Course Details

Automotive Electronic and HVAC Systems

Compulsory courses are shown in **bold**

APTE3108

Course number	Course title	Credits
APTEU3856	Emergency procedures in the motor and related industries	2
APTEU16113	Safe working practices in an automotive workshop	2
APTEU21858	Work habits and safe work practices	4
APTEU229	Motor vehicle systems and main components	4

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APTEU231	Operation of two and four stroke petrol and diesel engines	4				
APTEU233	Servicing a lead-acid automotive battery					
APTEU234	Automotive starting and charging systems and their operation	4				
APTEU235	Automotive ignition systems and their operation	4				
APTEU239	Automotive manual transmissions	3				
APTEU240	Petrol fuel systems	3				
APTEU242	Changing the fluid and bleeding a brake hydraulic system	2				
APTEU243	Carrying out basic tuning on a four-stroke petrol engine	4				
APTEU918	Light vehicle final drive assembly operation	4				
APTEU920	Manual and semi-automatic transmissions used on light vehicles	4				
APTEU3400	Four-stroke petrol engine for condition using handheld test equipment	4				
APTEU3877	Protecting vehicle electronics in the motor industry	2				
APTEU1277	Communicating information in a specified workplace	3				
APTEU5466	Removing and replacing light vehicle brake pads and shoes	2				
APTEU15370	Business responsibilities towards customers within the automotive industry	4				
APTEU21669	Hand tools and workshop equipment for motor industry applications	2				
APTEU21670	General engineering tasks in the motor industry	3				
APTEU21671	Carrying out general engineering tasks in the motor industry	4				
APTEU21675	Automotive batteries	2				
APTEU21676	Selecting test equipment and testing an automotive electrical circuit	4				
APTEU21680	Automotive lubricants 3					
APTEU21677	7 Diesel fuel systems					
APTEU21692	Performing minor servicing tasks on a diesel fuel system					
APTEU21686	Automotive cooling systems					
APTEU21688	Disassembling and reassembling a four stroke multi-cylinder engine	3				
APTEU21689	Hydraulic brake fluid, fluid replacement, and brake bleeding procedures	2				
APTEU21720	Motorcycle, car, light and heavy commercial vehicle braking systems	3				
	Vehicle steering and suspension systems	2				
	Balancing wheels of a vehicle	2				
	Hand tools and workshop equipment for an automotive application	2				
	Removing and replacing road wheels	1				
	Lubricants and sealants for automotive and related industry applications	1				
	Air bags and seatbelt pre-tensioners 2					
	Servicing automotive cooling systems 3					
	Engine management systems 3					
	Vehicle driveline components 2					
	Warranties and guarantees that apply to the motor and related industries 4					
	General legislation and regulations in the motor industry 2					
	Electronic components and their application in the automotive industry 5					
	Servicing automotive air conditioning systems	2				
	3.2 Mahi Waehanga Pāhekoheko Integrated and Work-based components					
	In this programme, students will be in a formal agreement with an on-site supervisor and such a majority of the learning will take place through real life/practical work-based settir will support the work based learning and offer learners appropriate opportunities. Timeta training sessions supplement the workplace learning and focus predominantly on student	ng. Employei abled off-job				

		pinning knowled e of complex si		their practical wo	orkplace learning experiences and to	
	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.					
	The norma Students v requireme suspensior	al enrolment pe who are prevent nts within the r n of enrolment	ed by ill health, or o	time study) or two ther cause, from c nrolment, the relo of one semester.	o years (part-time study). completing the programme evant academic authority may approve	
4. Tūtukitanga Whakamihi	4.1 Whaka	whiti Tūtukita	nga Cross Credit		more than 5 years prior to the date of	
Credit						
Recognition	first enrolment in the programme.a. 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.					
Credit Recognition complies with	b. The cr i.	-	•	-	learning outcomes of a completed	
Unitec's Assessment,	ii.		where the previous out there is no exact		lace in a programme with a similar ramme's courses	
Moderation and		philosophy c				
Grades Policy	4.2 Aroma	tawai Tōmua	Assessment of Prio	r Learning (APL)		
and associated	Assessmer	nt of Prior Learn	ing is available for a	ll courses in this p	rogramme. APL decisions will be made	
procedure.		-	nder the Unitec Asse		arning Procedure.	
5. Waeture	-		i Assessment Basis			
Aromatawai				evement and com	petency-based grading scales for	
Assessment	courses de	pending on the	e pathway.			
Regulations	5.2 Ākorar	nga Taumata	Course grades			
Assessment			ased 4-point assess	nent system		
Regulations			-	-	ailed in Table 2a above. Course grades	
comply with	will be det	ermined by the	mathematical aggre	gation of weighte	d assessment marks and reported	
Unitec's		-		must obtain at lea	ast 50% overall score in order to pass	
Assessment,		ent-based asses				
Moderation and	Grade	Meaning	Result	Percentage		
Grades Policy and associated	A	Distinction	Credits Earned	80 - 100		
procedure.	В	Merit	Credits Earned	65 – 79		
procedurer	С	Pass	Credits Earned	50 - 64		
	D	Fail	No Credits Earned	0 - 49		
	Table 3b: (Competency ba	sed 3-point assessm	ent system		
		-		-	described in Table 2b above. Course	
	-		-	-	articipants must achieve all of the	
			s competency-based	assessment.		
	Grade	Meaning	Result			
	M	Merit Pass	Credits Ea			
	Р	Pass	Credits Ea			
	NC	Not Yet Comp		s Earned		
		I Taumata Gra	a de Criteria I one of the followin	grades for a cour	rco.	

	Grade	Meaning	Criteria	
	CR	Credit Recognition	The student has applied for and been awarded a credit recognition from another qualification	
	CTG	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.	
	ES	Student Exchange	The Student has completed an approved inter-institutional exchange and it is not appropriate for another grade to be awarded. No Credits earned.	
	NGA	No Grade Associated	Course assessment and reporting of results are not required for this course or are carried out by an external agency. No Credits earned	
	R W	Restricted Pass	The student has been awarded a restricted pass subject to Relevant clause in this schedule. Credits earned.	
		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.	
6. Aromatawai Mahinga Assessment Procedures	6.1 Ākoranga Aromatawai Course Assessment Courses employ both formative and summative assessment activities. Formative assessments do not contribute to the final grade for a given course. All summative assessment elements are compulsory unless otherwise approved and noted in course information.			
Assessment Procedures comply with Unitec's	Students must attempt all compulsory assessment activities in order to pass and receive credit for an course. Students who do not attempt a compulsory item of assessment may be awarded a 'Did Not Complete'(DNC) for the whole course and may not earn any credits.			
Assessment Moderation and Grades Policy and associated procedure.	6.2 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 governed by the Unitec Assessment in Te Reo Māori procedure and detailed in course material.			
	 6.3 Tāpaetanga Tōmuri Submission and late submission of work a. The due dates for all summative assessment work will be notified at the commencement of each course. b. Any assessment that is submitted late (and does not have a prior approved extension) will be 			
	penalised by a deduction of 10% per day of the participants assignment mark, up to five (5) days, inclusive of weekends.c. Applications for extensions must be made by according to procedure noted in Student Handbooks			

- d. Any extension will be carried out within a specified time period as agreed with the relevant academic authority and no further extensions will be granted.
- e. No assessment will be accepted five (5) days (inclusive of weekends) after the due date. If the assessment is not compulsory, the participants will receive a 'zero' grade for that assessment. If the assessment is compulsory, then the participants will receive a Did Not Complete (DNC) grade for the entire course.

6.4 Whakamātautau Anō | Resubmission or Reassessment

A student may apply to undertake a resubmission/reassessment for a failed assessment within 5 days of receiving their marked assessment.

The following conditions apply:

- a. two resubmissions of written theory tests and one resubmission of written assignments and practical assessments are permitted.
- b. Any approved resubmission/reassessment will be carried out within a specified time period as agreed with the relevant academic authority.
- c. In all cases for resubmission, the original marked assessment will accompany resubmitted assessment. If resubmitted work is not accompanied by the original marked assignment, the resubmitted work will not be marked and the original grade will stand.
- d. The maximum grade for any resubmission/reassessment of an assessment is the lowest pass grade.
- e. Assessments that are handed in late are not eligible for resubmission or reassessment.

6.5 Āhuatanga Aromatawai Motuhake | Affected Performance Consideration

A student may apply for Affected Performance Consideration (APC) if:

- The student is unable to attend an examination, compulsory assessment or fixed time and place assessment activity due to illness, injury, bereavement or other critical circumstances
- The student's preparation for, or performance in an examination or any summative assessment has been seriously impaired due to circumstances beyond their control

Applications for APC are made by a student within 5 working days of the affected assessment event. Decisions to approve an APC and to apply any remedy are made according to the Assessment and Grading Procedures and Regulations.

6.6 Pāhi Rāhui | Restricted Pass

Restricted passes are not available in this programme.

6.7 Tuaruatanga | Repeating Courses

Students who are repeating a Level 1–8 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 and will specify any course grade that will be carried over.

Students may enrol and repeat a course that they have failed only once. Permission to enrol for a third time is governed by Exclusion provisions below.

6.8 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.

- a. Any Student who fails to achieve at least 50 per cent of the credits that he or she is enrolled in in any 12-month period may be excluded by the relevant Academic Authority from re-enrolling in any further courses. The decision whether students can re-enrol in further courses will be based on a student's likelihood of succeeding in further study and will be made by the relevant Head of School.
- b. When calculating the 12-month period in a. above, Unitec reserves the right to include any relevant time spent by the Student studying at another tertiary institution.
- c. A Student who has not achieved a Pass Grade in the same Course on two occasions shall not be enrolled again for that Course except with the permission of the relevant Academic Authority.

	 d. The relevant Academic Authority will advise the Student in writing of their decision, and the reasons for such decision, and any orders made. 6.9 Examination Regulations There are no formal examinations in this programme.
	6.10 Tono Pīra Appeals
	Students may appeal the decisions made under these regulations in accordance with the Student Appeal Procedure.
7. Whakaritenga	7.1 Whakamāramatanga ā-kaupapa Definition of Terms
Whānui	In these regulations, unless the context otherwise requires, the following definitions shall apply:
General	• 'Relevant academic authority' refers to an individual or role holder, or in some cases a committee,
Provisions	who have been delegated the authority to make a decision within a specific circumstance. A schedule of the various relevant academic authority delegations is maintained by the Programme Academic Quality Committee responsible for the Programme.
	7.2 Āhuatanga Tauwhirowhiro Ritenga Transitional Arrangements
	Candidates enrolled in programmes leading to the replaced Certificate in Automotive Engineering and Certificate in Applied Technology – Automotive, Autotronics who are unable to complete by 31 December 2021 shall transfer their existing achievement to this programme. No existing candidates will be disadvantaged by these transition arrangements.