

Fairfield College Course Calendar 2026

ELE100 ELECTRONICS

YEAR: 2026

Term 1	Week 1 26 Jan-30 Jan	Week 2 2 - 6 Feb	Week 3 9-13 Feb	Week 4 16-20 Feb	Week 5 23 Feb-27 Feb	Week 6 2 - 6 Mar	Week 7 9-13 Mar	Week 8 16-20 Mar	Week 9 23-27 Mar	Week 10 30 Mar -2 Apr
Topics	US 18241 Knowledge of basic electronic system (Internal Assessment – 5 Credits)								AS 91357 Make and trial a prototype	
assessment	Learn voltage divider, Resistor-capacitor circuit, diode, and transistor circuit theory Assessment integrated with learning through practical work									

Term 2	Week 1 20 Apr-24 Apr	Week 2 27 Apr – 1 May	Week 3 4 - 8 May	Week 4 11 - 15 May	Week 5 18 - 22 May Learn Week	Week 6 25 - 29 May	Week 7 1 -5 Jun	Week 8 8 -12 Jun	Week 9 15 - 19 Jun	Week 10 22 - 26 Jun	Week 11 29 Jun - 3 Jul
Topics	AS 91357 Make and trial a prototype (Internal Assessment – 6 Credits)								US 18239 Demonstrate introductory circuit concepts and measurements for electronics		
assessment	Learn to use Arduino, C++ programming, design and prototyping practice (Submit a finished product and a report for assessment)								Learn basic electrical concepts, Ohm’s law		

Term 3	Week 1 20 -24 Jul	Week 2 27 Jul - 31 Jul	Week 3 3 - 7 Aug	Week 4 10 - 14 Aug	Week 5 17 - 21 Aug	Week 6 24 - 28 Aug	Week 7 31 Aug -4 Sep	Week 8 7 - 11 Sep Learn Week	Week 9 14 - 18 Sep	Week 10 21 - 24 Sep
Topics	US 18239 Demonstrate introductory circuit concepts and measurements for electronics (Internal Assessment – 5 Credits)						US 18242 Construct a simple printed circuit (Internal Assessment – 3 Credits)			
assessment	Learn circuit theory and measurement with a multimeter Assessment integrated with learning through practical work						Learn to use KiCad, PCB track routing, PCB milling			

Term 4	Week 1 12 -16 Oct	Week 2 19 - 23 Oct	Week 3 26 -30 Oct	Week 4 2 - 6 Nov	Week 5 9 - 13 Nov	Week 6 16 - 20 Nov	Week 7 23 - 27 Nov	Week 8 30 Nov – 4 Dec	Week 9 7 - 11 Dec	Week 10 14 - 18 Dec
Topics	US 18242 Construct a simple printed circuit			NZQA Examinations						
assessment										

This course **NOT** eligible for an NZQA course endorsement.

This course **NOT** eligible for University Entrance.