Fairfield College Course Calendar

Electronics ELE200 YEAR: 2025

Term 1	Week 1 27 Jan-31 Jan	Week 2 3 - 7 Feb	Week 3 10-14 Feb	Week 4 17-21 Feb	Week 5 24 Feb-28 Feb	Week 6 4-7 Mar	Week 7 10-14 Mar	Week 8 17-21 Mar	Week 9 24-28 Mar	Week 10 31 Mar-4 Apr	Week 11 7 Apr-11 Apr
Topics		**AS 91894 (2.5) Use advanced techniques to develop an electronic outcome** (Internal Assessment – 6 Credits)									
content		Product design, prototyping, Arduino microcontroller programming, product construction, and reporting									

Term 2	Week 1 28 Apr-2 May	Week 2 5-9 May	Week 3 12-16 May	Week 4 19-23 May	Week 5 26-30 May	Week 6 2-6 Jun	Week 7 9-13 Jun	Week 8 17-21 Jun	Week 9 23-27 Jun
Topics	**US 18239** **Demonstrate introductory circuit concepts and measurements for electronics** (Internal Assessment – 5 Credits)					**AS 91894 (2.5) (continue)**			
content	Learn basic electrical concepts, Ohm's law, circuit theory and measurement with a multimeter				Assessment	Submit the first draft and prototype			

Term 3	Week 1 14-18 Jul	Week 2 21 Jul-25 Jul	Week 3 28 Jul-1 Aug	Week 4 4-8 Aug	Week 5 11-15 Aug	Week 6 18-22 Aug	Week 7 25-29 Aug	Week 8 1-5 Sept	Week 9 8-12 Sept	Week 10 15-19 Sept
Topics	**US 18242 Construct a printed circuit board** (Internal Assessment – 3 Credits)				**US 18241 Knowledge of basic electronic system** (Internal Assessment – 5 Credits)					
content	Learn to use easyEDA to draw schematic diagrams and PCB layout and construct a PCB				Voltage divider, capacitance charge-discharge circuit, resistor-zener diode combination, transistor used as switch					Assessment

Term 4	Week 1 6-10 Oct	Week 2 13-17 Oct	Week 3 20-24 Oct	Week 4 27-31 Oct	Week 5 3-7 Nov	Week 6 10-14 Nov	Week 7 17-21 Nov	Week 8 24-28 Nov	Week 9 1-5 Dec	Week 10 8-12 Dec
Topics	**AS 91894 (2.5) (submit)**				**NZQA Examinations**					
content	Submit the final report and product									

This course IS NOT eligible for a **course endorsement.**

To achieve this, you must attain 14 credits at the required level (AME), including one internal and one external assessment.