



2016

ECUWEST COURSE PROSPECTUS



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Training course team

Darren McVilly – ECUWEST course co-ordinator

Riccardo Scarimbolo – Alientech’s training expert

Sharon McVilly – ECUWEST administration and training support

Course structure, pre-requisites, requirements

Requirements

Please remember to bring the following for each day of training:

- Laptop
- Pen/writing paper
- ECM Titanium software programme

Please note: morning and afternoon tea will be provided, along with tea/coffee and water during the course. Lunch will be catered for, please advise if you have any dietary requirements of note.



Course structure and pre-requisites

Intermediate - Introduction to tune file writing with ECM Titanium

2 days

8 hours per day

Pre-requisites: This course is for anyone who is considering moving into the world of tuning ECUs. Some automotive mechanical knowledge would be an advantage, computer literacy is a must.

Day One

- Introduction to ECUs and the world of tuning
- Torque, power, and emissions – what does it all mean?
- Combustion and carburetion: theory, AFR, Lambda probe (oxygen sensor)
- Petrol Engine: Structure and operation details of the injection system
- Diesel Engine: Structure and operation details of the injection system

Day Two

- What is an original file, where you can find it, how it works and it's structure
- ECU: Functions and peculiarities
- KESSv2: Serial reading/writing tool
- K-TAG: reading/writing tool interfaced with the Microprocessor
- ECM Titanium: tuning software
- Examples of how to modify a map: Turbo diesel and turbo petrol engine
- Necessary checks to test a correct tuning

Advanced course – diesel tuning

1 day

8 hours

This course is for anyone who would like to up-skill for DIESEL vehicle tune file writing using Alientech's ECM Titanium, K-Tag and KESS v2. Basic training course not necessary, but helpful to ensure you are familiar with the Alientech suite of tools. Basic content will not be covered.

Content covered

- Introduction to the ECU and the world of chiptuning
- Diesel Engine: Structure and operation details of the injection system
- What is an original file, where you can find it, how it works and its structure
- ECU: Functions and peculiarities
- Examples of how to modify a map
- Necessary checks to test a correct tuning

Advanced course – petrol tuning

1 day

8 hours

This course is for anyone who would like to up-skill for PETROL vehicle tune file writing using Alientech's ECM Titanium, K-Tag and KESS v2. Basic training course not necessary, but helpful to ensure you are familiar with the Alientech suite of tools. Basic content will not be covered.

Content covered

- Introduction to the ECU and the world of chiptuning
- Petrol Engine: Structure and operation details of the injection system
- What is an original file, where you can find it, how it works and its structure
- ECU: Functions and peculiarities
- Examples of how to modify a map
- Necessary checks to test a correct tuning



Training at ECUWEST

Where ever your skills are at with tune-file writing, undertaking training at ECUWEST allows you to learn in full, air-conditioned comfort with access to tools and equipment that show you how to write tune files from beginning to finished product including dyno testing and post-tune diagnostic analysis.

During your training time with ECUWEST you can witness first-hand how a busy tune-file writing company operates from day-to-day, because training takes place at ECUWEST Headquarters where not only tuning of off-the-street vehicles take place, but where support of an Australia-wide dealer network happens.

The training room is well appointed with a maximum of 10 participants, ensuring class sizes are never too full that you won't get one on one time with your trainer. The training room is equipped with power sources for your laptop and mobile phones.



Completion of course

It is challenging to begin learning the art of tuning but rest assured that you are in the best place to learn how to do things right the first time. You can spend months and years trying to learn the art and science of tune file writing, it can cost you thousands of dollars in mistakes. This is why at ECUWEST we like to acknowledge the investment you have made in yourself and your business by providing you a certificate of course completion and allowing ongoing support via email for a period of 28 days after course completion. This is a generous offer outlining our commitment to ensuring that the quality of your training is second to none at ECUWEST.

Course fees and booking options

Course fees current for 2016

Intermediate - Introduction to tune file writing with ECM Titanium (2 days)	\$1,900.00 inc GST
Advanced course – diesel tuning (1 day)	\$990.00 inc GST
Advanced course – petrol tuning (1 day)	\$990.00 inc GST
Master course – Intermediate and both advanced courses (4 days)	\$3,650.00 inc GST

Note: You must start with the intermediate course before continuing with advanced courses.

HOW TO BOOK YOUR PLACE

By phone – please call 08 9590 6138

By email – please email Sharon with any queries at sharon@ecuwest.com.au

COURSES ARE HELD AT ECUWEST - 6/18 JACQUARD WAY, PORT KENNEDY, WA 6172