

PROFESSIONAL DEGREE

Maintenance and technology: multi-technical systems Competition Vehicle Development

PRESENTATION

Training center: Le Mans Training

level: Bac+3 **Training duration:** 12 months **ECTS credits:** 60

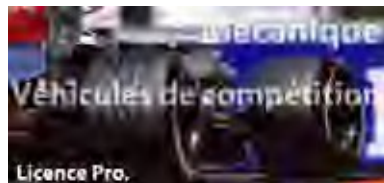
Type: National diploma

Type of training: initial, continuing, sandwich course (professional training contract only)

Course description

This training is provided by the following establishments:

- Le Mans University
- Lycée Le Mans Sud



To better meet the specific requirements of the motor racing and motorcycling world, and in consultation with professionals, Le Mans Université and the Lycée Polyvalent Le Mans Sud have set up a **Competition Vehicle Development** course as part of a professional degree in Maintenance and Technology: Multi-technical Systems.

Training objectives

Train specialized technicians capable of :

- **Optimize a vehicle's performance:** measure and analyze its characteristics, set up data acquisition systems, prepare for the future. and maintenance, determining optimum settings, carrying out mechanical and aerodynamic studies, modifying drawings of mechanical sub-assemblies.
- **Manage a racing season:** spare parts management and test planning.
- **Manage human relations inside and outside the company:** supervise and recruit mechanics, coordinate tasks of the team, relations with the driver, collaboration with technical partners, organization of travel logistics during the racing season.

Skills and abilities developed through training

- Vehicle manager for a racing team.
- Race data processing and management.
- Reliable knowledge of ground linkage problems.
- Lead a team of mechanics in collaboration with engineers and managers.

CONTACTS

Training Manager

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Scolarité UFR Sciences et Techniques

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Information, orientation and professional integration service (SUIO-IP)

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Continuing Education Department (SFC)

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Licence Professionnelle

Maintenance and technology: multi-technical systems

Competition Vehicle Development

ADMISSION

Admission procedure

Log on to the Le Mans Université [ecandidat](https://ecandidats.univ-lemans.fr/) website <https://ecandidats.univ-lemans.fr/>.

- Your application will be examined by the jury of the LP for which you are applying.
- If your application is **accepted**, you will receive an e-mail inviting you to a motivational interview.
- You will be notified by e-mail of the jury's final decision - Passed, Rejected, Admitted to Complementary List - at the end of the interviews.
- If you are accepted, you will need to confirm your application on the [ecandidat](https://ecandidats.univ-lemans.fr/) application and proceed with your administrative registration with Le Mans Université.

Special cases

- If you would like to obtain **authorization to enter the training program without the required qualifications**, by means of the Validation des Acquis Professionnel **VAP85** (Decree 85-906 of August 23, 1985), please contact the SFC.
- You would like to obtain all or part of your **diploma** through the Validation des Acquis de l'Expérience process **VAE2002** (Decree 2002-590 of April 24, 2002), contact the SFC.
- If you have interrupted your studies for more than two years, you will have the status of trainee in continuing or permanent education, contact the SFC.

Target audience

The Development of competition vehicles course in the Maintenance and Technology: Multi-technical Systems LP is particularly aimed at students from :

- BTS Vehicle Maintenance (BTS MV)
- BUT Génie Mécanique et Productique (GMP) 2nd year or 3rd year
- BTS Motorisation Toutes Energies (MTE)
- BTS Industrial Product Design (CPI)
- other industrial BTS or BUT in the mechanical engineering sector
- L2 Mechanics, Engineering Sciences, Physics

Recommended prerequisites

A good academic and technical level, as well as personal competition experience, will be taken into account when examining the application and during the admission interview.

STAGE

Stable internship and tutored project (6 months)

FURTHER STUDIES

The professional bachelor's degree enables students to rapidly obtain a professional qualification for direct integration into working life.

The professional bachelor's degree is not a full entitlement to a master's degree. The admissibility of applications will be examined by the recruitment panel, which may require additional training.

CAREER OPPORTUNITIES AND PROSPECTS

Job types

- Responsible for a vehicle (car, motorcycle, etc.) in a racing team.
- Trainer in competition vehicle centers.
- Expertise in homologation centers for motor sports competition regulations.
- Technical sales representative in the field of racing (e.g. sale of spare parts for racing cars) or in the field of other vehicles.

WEBSITE

<http://www.univ-lemans.fr/LP/DVC>