



UNIVERSITY DIPLOMA *Vehicle dynamics*



*Control and New propulsion modes applied to automotive performance
research and development*

New field in vehicle development

The motor racing industry needs qualified engineers specifically prepared to work in this field. The Vehicle Dynamics University Diploma offered by the Metz National Engineering School responds to this demand by offering training which aims to acquire high-level skills and expertise in the field of motorsport.

Co-built with partners from the motorsport sector, this DU (Diplôme Universitaire) trains in the theoretical and practical aspects of vehicle dynamics, simulation methodologies, modeling, data analysis and test validation as well as modes future propulsion systems such as fuel cells and hydrogen.

The University Diploma is offered to students and professionals who can demonstrate strong knowledge and successful experience outside of their course (such as, but not limited to, participation in racing or rally activities, Formula student,...) and who wish to acquire knowledge and skills that will enable them to effectively perform engineering tasks in the racing and/or passenger car industry.

In-depth specialization

Delve deeply into the specialized field of vehicle dynamics, gaining a comprehensive understanding of advanced concepts and technologies.

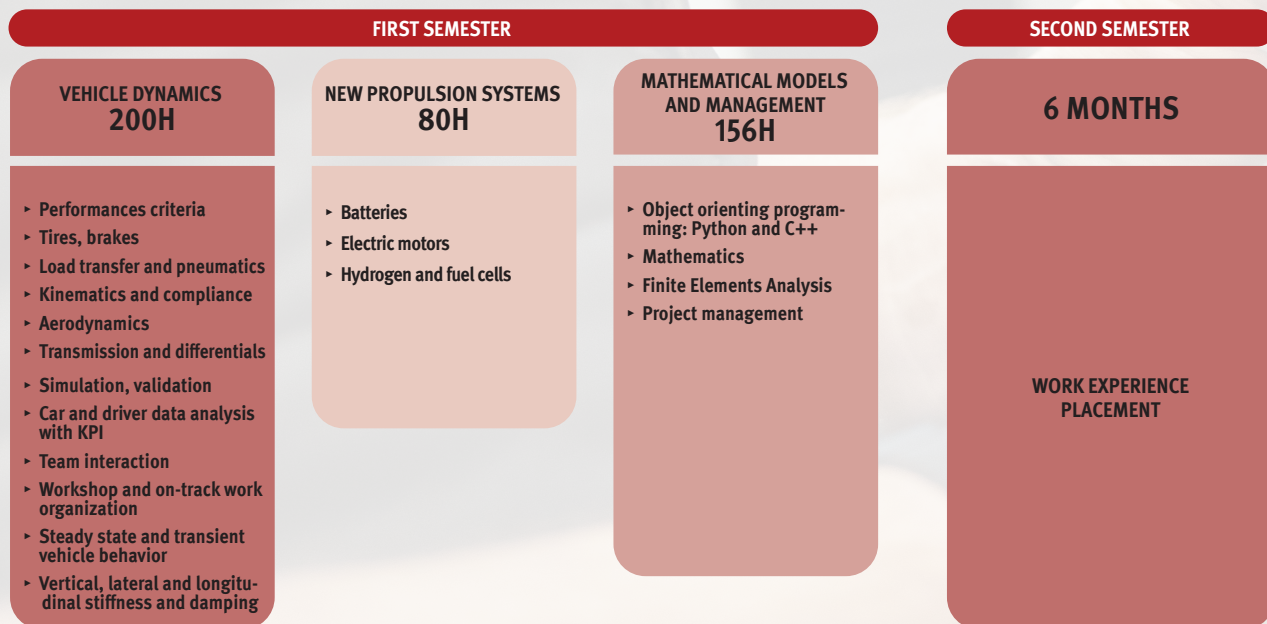
Career advancement opportunities

Become a specialist, making you a sought-after professional in the automotive industry. Open the doors to leadership and specialized roles.

In-depth specialization

Specialized skills in vehicle dynamics are in demand, and having an advanced degree can make you eligible for more responsibility positions.

The main axes of the training



All the courses will be in english

Industry Partner



OPTIMUM

For 45 years, Claude Rouelle has become a reference in the field of vehicle dynamics and race car engineering, drawing on years of work in the World Touring Car, Formula and Formula 2, Indycar, Nascar, Worl Rally Car, and Formula 1 championships and the passenger car industry.

He created OPTIMUMG in 1997 and has since devoted himself solely to training, simulation, in-lab and on-track tests and consulting.



Profiles Sought

- ▶ A minimum of 5 years' higher education or equivalent level of professional experience
- ▶ Have completed a bac+4 course and have 1 year's professional experience.

Investment

- ▶ University registration fees : €243
- ▶ Educational costs : €12.000

Limites availability

- ▶ 24 students allowed

Starting date and duration

The training will take place from September 1, 2024 to August 31, 2025 :

- ▶ From September 1, 2024 to January 31, 2025 : educational sequence of 436 hours of lessons at ENIM
- ▶ From February 1, 2025 to July 31, 2025 : company internship

Information about recruitment

- ▶ January 15, 2024 to March 19, 2024:
Find on the ENIM website the registration file enim.univ-lorraine.fr/formation/du-vehicule-dynamics
- ▶ March 29, 2024:
Deadline for returning applications on paper files, to be sent to ENIM
- ▶ April 16, 2024: Recruitment jury interview

Contact

- ▶ Teaching managers :
Sylvain PHILIPPON, Bruno PERSELLO
- ▶ Assistant :
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