ADVANCED MOTORSPORT ENGINEERING MSC

RACE CAR & RACE MOTORBIKES

MONLAU
MOTUL
TECHNICAL SCHOOL


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Iban Ventura
Managing Director
Monlau Group

Jaime Serrano
Managing Director
Monlau Motul Technical School

With more than 25 years of experience in the field of technical teaching of motor racing and motorcyclist, from Monlau Motul Technical School, in 2010, we launched the first Master in Engineering in Motorsport with a brilliant faculty of qualified teachers, specialized in the different modules of the Master and active in the main national and international competitions.

During these years we have managed to establish and position this Master **as a reference in the world of training in Motorsport**.

Year after year, we have been perfecting it, to an optimum point to ensure our students a teaching experience that opens all the doors in the world of Motorsport.

In 2016, as in 2010, we launched the first **Master in Engineering at Motorsport ONLINE**. With the same enthusiasm as the first day but with a more successful background and established in the academic world.

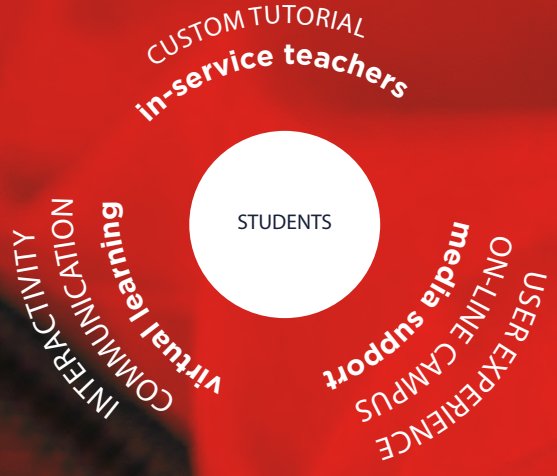
With the same engine, the same foundations that raise us to the success of the face-to-face Master, we present the digital version for all those engineers who love Motorsport and for various reasons cannot travel to Barcelona to study what they are passionate about: the motor world. It does not matter where you are or where you come from because you will study all the theory and practice that our students enjoy.

ADVANCED MOTORSPORT ENGINEERING MSC

RACE CAR & RACE MOTORBIKES

OBJETIVES

The main objective of our school, and of this Online Master in particular, is to give the opportunity to young students of Engineering, engineers and/or experienced professionals to be trained as true specialists in motorcycles competition in all their specialties according to the methods, criteria and needs of professional teams and specialized companies operating in the world of Motorsport.



Career Opportunities

At the end of the Master the student will have all the knowledge to be able to choose his professional side.
Track engineer, engine or transmission engineer, chassis, aerodynamic, telemetry, simulation engineer, director of a team or technical office, engineer in the automotive industry or auxiliary.

SOFTWARE

As a student, you will work with the software used by Motorsport companies.

PTC®

ANSYS

MathWorks

2D
2d-datarecording.com

AiM

MODULES

*The module texts on the online platform are available in English.

ADVANCED MOTORSPORT ENGINEERING MSC RACE CAR & RACE MOTORBIKES

MAIN CONTENTS

The main contents of the onlie motorsport online engineering master have the following structure:

1. MOTORSPORT INTRODUCTION

2. PARTS LIST: RACE CAR AND RACE MOTORBIKES

3. RACING TEAM

M 4. RACE MOTORBIKES DYNAMICS

A 5. RACE CAR DYNAMICS
- GEOMETRY DEFINITION
- TYRES
- LOAD TRANSFER
- DIFFERENTIAL AND SETUP

M 6. RACE MOTORBIKES DATA ACQUISITION

A 7. RACE CAR DATA ACQUISITION

8. PTC CREO

9. RACE BRAKES

10. RACE SHOCK ABSORBERS

11. RACE ENGINE COMMON

M 12. RACE MOTORBIKES ENGINE

A 13. RACE CAR ENGINE

14. RACE FUELS AND LUBRICANTS

15. AERODYNAMICS COMMON

A 16. RACE CAR AERODYNAMICS

17. ANSYS
- WORKBENCH
- SPACE CLAIM AND MESHING
- FLUENT
- MECHANICAL

M 18. POWERTRAIN RACE MOTORBIKES

A 19. POWERTRAIN RACE CAR

20. MATERIALS

21. MATLAB FUNDAMENTALS

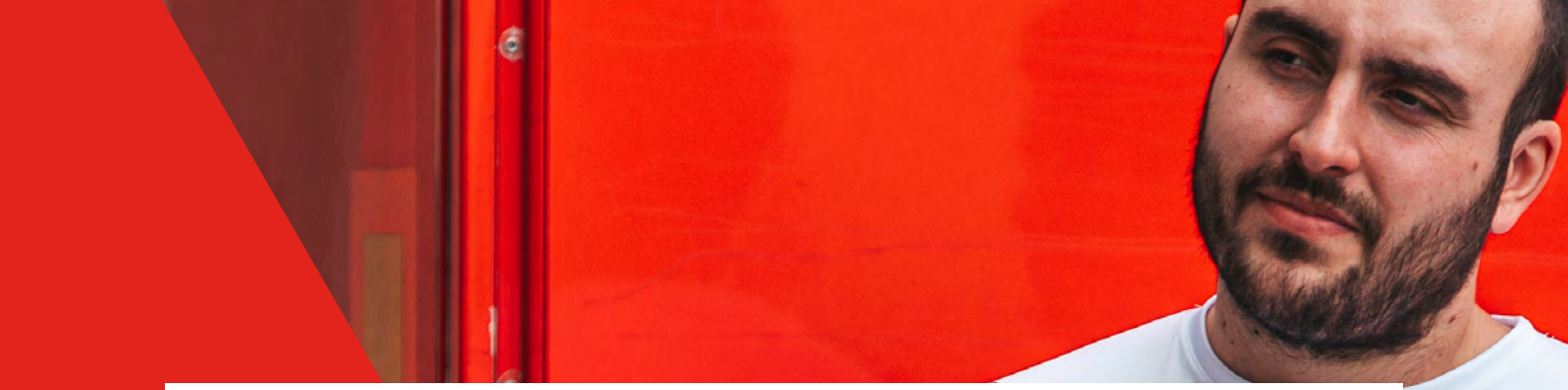
22. MATLAB SIMULINK FOR AUTOMOTIVE DESIGN

23. SPORTS MARKETING

24. SPORTIVE PSYCOLOGY

M Especialización Motociclismo

A Especialización Automovilismo



MODULE 1. MOTORSPORT INTRODUCTION

- Race motorbikes and race car history and championships available.
- FIM and FIA birth.
- Regulations in each championship and discipline.
- Evolution from categories and race teams from early stages to nowadays.
- From 500cc to moto GP. Formula 1 and FIA WRC evolution.

MODULE 2. PARTS LISTS: RACE CAR AND RACE MOTORBIKES

Identify all main parts from a race car and a race motorbike; detailing all main areas of a vehicle: Engine components, aerodynamics devices, chassis parts, powertrain etc...

With spare parts detailed module, the student will know perfectly all multiple and different pieces before knowing in total depth each specific module.

MODULE 3. RACING TEAM

- Race team management.
- Job description of the main positions inside a Racing team: Team Principal / Team manager / Race engineer / Data analyst / Chief mechanic / Mechanics.
- How to make a season budget, and job load plan during the season.
- Technical partners from a race team.
- Race insurance working principles, analysis of the different options available in the market and work to be done in a race accident.

MODULE 4. RACE MOTORBIKES DYNAMICS

Understand the basic concepts of the race motorbikes dynamic. Get into the race motorbikes behaviour on the race track.

- General race motorbikes geometries.
- Front direction and traction geometries.
- Suspension geometries.
-Mass, mass distribution, inertias and gyroscopic effects.
- Front and rear suspension characteristics.
- Race motorbikes tyre characteristics.
- Brakes.

MODULE 5. RACE CAR DYNAMICS

To gather extended vehicle dynamics understanding. To apply achieved knowledge into real race car cases. To understand the causes and effects of set up changes regarding race car dynamics.

- Vehicle performance.
- Slip angle and yaw.
- Oversteer and understeer.
- Suspension characteristics and geometry.
- Load trasfer formulae.
- Dampers and damping theory.
- Vehicle mathematical model.
- Tyres.
- Differential.
- Set up.

MODULES

*The module texts on the online platform are available in English.

MODULE 6. RACE MOTORBIKES DATA ACQUISITION

Get the knowledge of the data acquisition system 2D on hardware and software side. Understand the different sensor and its use. Get into the race motorbikes analysis of the data's.

- Data acquisition system and its use.
- Targets of the data acquisition system.
- Hardware system: analogical and digital sensors, wiring loom and loggers.
- Installation of the system on the race motorbikes.
- Software system 2D.
- Different channels introduction: basics, specific for the engine and frame acquisition.
- Different channels for 2 and 4 stroke.
- Calibrations, Boise, filters and calculations.
- Way of work to set up and optimize the race motorbikes on the race track.
- Optimization of the 2 and 4 stroke.
- Optimization of the chassis performance.

MODULE 7. RACE CAR DATA ACQUISITION

- Sensors used in race car data acquisition.
- Description, calibration and interaction of sensors and ECU.
- Data analysis: chassis and engine.
- Data engineer job description.
- Main software used are : AIM, PI and Magneti Marelli.

MODULE 8. PTC CREO

- 3D solid creation using all tools available.
- Assemblies, static assemblies, dynamic assemblies; dynamic movement analysis using pro/mechanism; structural and thermal simulation.
- Surface modeling.

Mr. Shuei Nakamoto, HRC Vicepresident. FIM CEV Valencia

MODULE 9.
RACE BRAKES

- Brake system description, components, functionality and characterization.
- Brake balance calculation and sizing of brake components.
- Description of main brake problems and solutions proposed.
- ABS and brake by wire system description.

MODULE 10.
RACE SHOCK ABSORBERS

- Working principles of common shock absorbers.
- Shock absorber characterization on dyno.
- Springs, helpers, bump rubbers and its combination and interaction on vehicle setup.
- Natural frequency and damping coefficient calculation and choice depending on conditions.
- Hydraulic adjusters, working principles and effects on vehicle dynamics.

MODULE 11.
RACE ENGINE COMMON

- Main stroke engine components and its working principles.
- Engine thermodynamics.
- Engine kinematics and dynamics.
- Lubrication and refrigeration.

MODULE 12.
RACE MOTORBIKES ENGINE

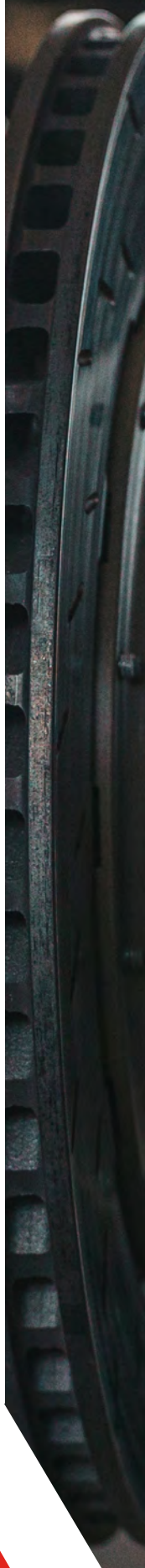
To distinguish the differences between 2 and 4 stroke engines. Get the knowledge of a 2 stroke racing engine.
Get knowledge of 4 stroke racing engine.
Know the transmission system of the motorcycle power train.

- Principals of 2 and 4 stroke.
- 2 stroke racing engines.
- 4 stroke different racing engine configurations.
- Intake analysis.
- Lubrication, fuel pump and refrigeration systems.
- Engine balancing.
- Gear box system, gears and shifter mechanism.
- Clutch system.
- Generators, electronic management and ECU systems.

MODULE 13.
RACE CAR ENGINE

To analyse and understand the different kind of engines (2 stroke, 4 stroke, Otto, Diesel, turbo, etc.)

- Needs for each kind of car, from formulas to GT's.
- Electronics applied.
- Different elements of the transmissions (gear box, differentials, etc.)
- Assembly of the different elements.



MODULES

*The module texts on the online platform are available in English.

MODULE 14. RACE FUEL AND LUBRICANTS

- Repsol partnership.
- Race fuel and lubricants fabrication, chemical composition, main features analysis and its effect in race engine performance.
- Fabrication, homologation and logistics to supply in racetracks.

MODULE 15. AERODYNAMICS COMMON

Main principles of aerodynamics and fluid dynamics. To obtain an overview of aero concepts and body interaction. Knnowledge of aerodynamic formule and its application.

- Bernoulli's equation.
- The boundary layer.
- Lift and drag coefficients.
- Principles of aerodynamics and fluid dynamics.

MODULE 16. RACE CAR AERODYNAMICS

Aerodynamics applied to race cars. To understand aerodynamic maps and wind tunnel data supplied by the vehicle manufacturer.

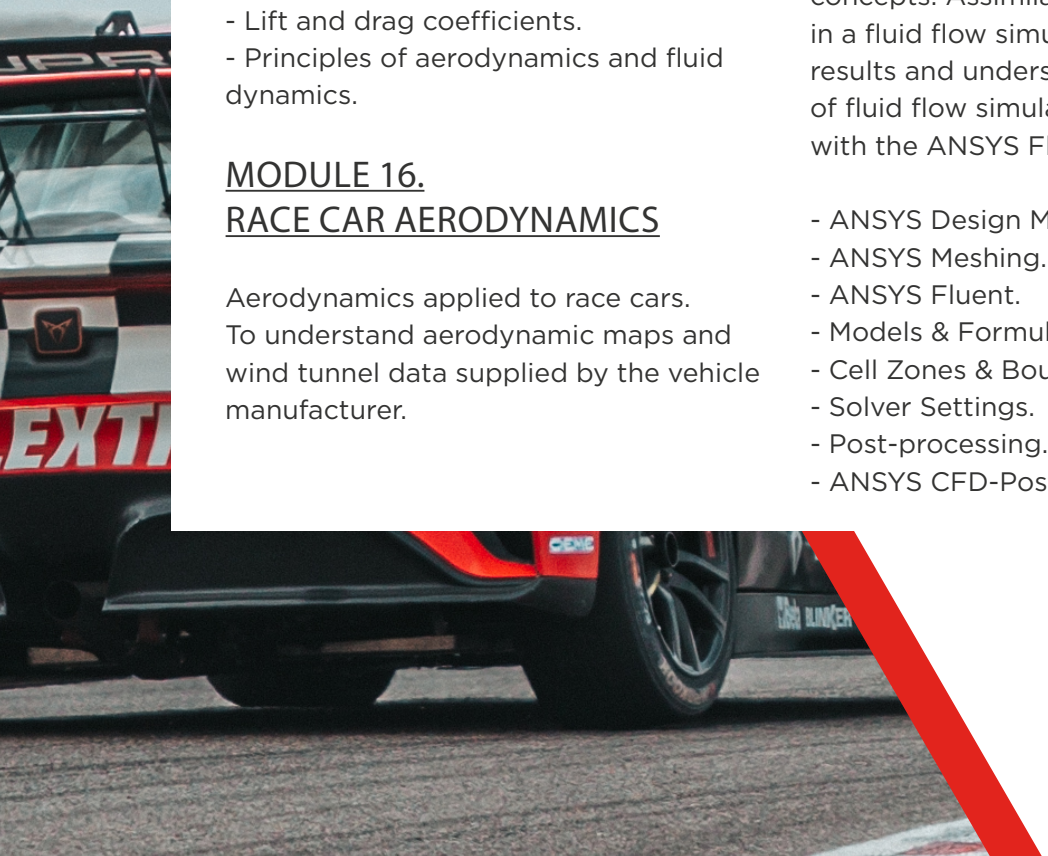
- History of race car aerodynamics.
- Main aerodynamic devices in a race car: wing, gurney, diffuser...
- Aeromaps.
- Wind tunnel testing.

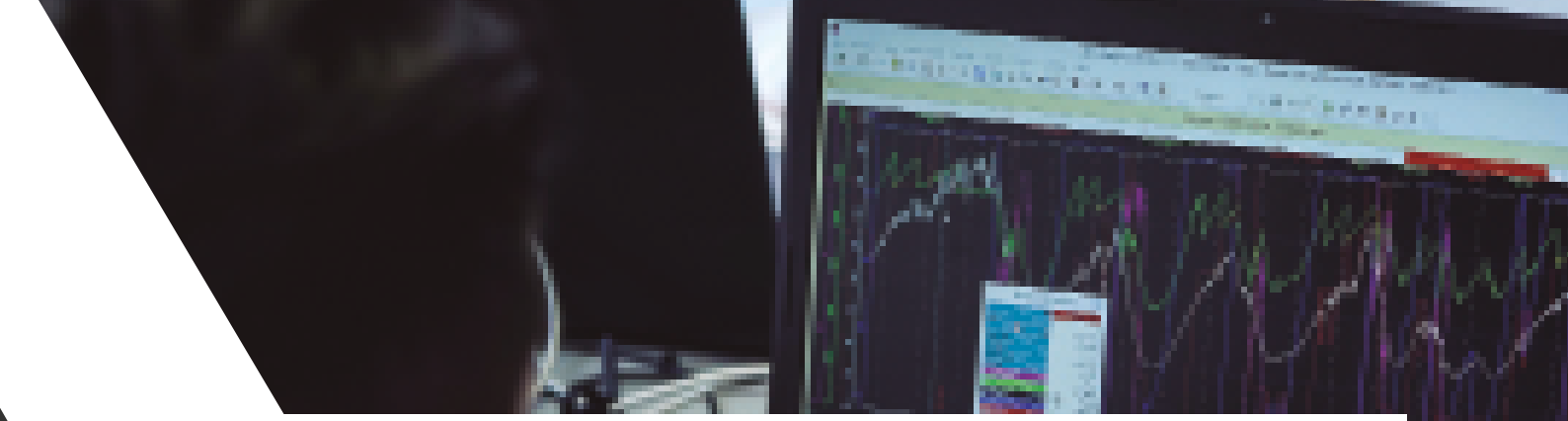
MODULE 17. ANSYS

- Using finite element analysis (FEA), ANSYS Structural provides the method to predict the behaviour and performance of complex products of all kind of materials.
- The high demands on the structural elements with little weight in race vehicles, requires a precise analysis, with a correct definition and meshing of the geometry, a realistic definition of the stresses and a meticulous post-processing.

Review some basic fluid mechanics concepts. Assimilate the steps involved in a fluid flow simulation. Intercept the results and understand the limitations of fluid flow simulations. Get acquainted with the ANSYS Fluent simulation tool.

- ANSYS Design Modeler.
- ANSYS Meshing.
- ANSYS Fluent.
- Models & Formulation.
- Cell Zones & Boundary Conditions.
- Solver Settings.
- Post-processing.
- ANSYS CFD-Post.





MODULE 18. POWERTRAIN RACE MOTORBIKE

- Gear ratios calculation depending on weather conditions, track characteristics and race strategy.
- Its effect on driving style and engine performance: power and torque.

MODULE 19. POWERTRAIN RACE CAR

- Basic transmission layouts used in race cars.
- Component description.
- Gear ratios calculation.
- Race clutch description and classification.
- Organic, sinter and carbon clutches.

MODULE 20. MATERIALS

General overview of the materials used in motorsport. Learn how to choose the correct material for a given element or how to distinguish them. Know the basic properties of each material.

- Properties of the materials.
    - Physics
    - Mechanicals
- Classifications of the materials.
    - Metals.
    - Ceramics.
    - Polymers.
    - Semiconductor.
    - Compounds.
- Analysis race motorbikes needs.
    - Analysis of the needs.
    - Actual design.
    - Welding process.

MODULE 21. MATLAB FUNDAMENTALS

Understanding MATLAB software and its environment.
Provide a basic knowledge of MATLAB programming, usage of functions and script files.

Units:
- Fundamentals: vectors, matrices and operators.
- Functions.
- Plotting and graphics.
- Commonly used functions and subrutines.
- M-files.

MODULES

*The module texts on the online platform are available in English.

MODULE 22. MATLAB SIMULINK FOR AUTOMOTIVE DESIGN

- Creating and modifying Simulink models and simulating system dynamic.
- Modeling continuous-time, discrete-time, and hybrid systems.
- Modifying solver settings for simulation accuracy and speed.
- Building hierarchy into a Simulink model.
- Creating reusable model components using subsystems, libraries, and model references.

MODULE 23. SPORTS MARKETING

- Race team management.
- Sportive marketing .
– Sponsorship management and race team finance situation.
- Introduction to Sports Marketing.
-Marketing Mix.
– Digital Marketing.
- Advertising as a form of sponsorship .
- Case Study (motorsport).
- Focus Sports Marketing / Sponsorship: Sponsorship in Sports Marketing (Motorsport).
- Calculating the Return on Investment (ROI) in a program of sports marketing.
- Concept 360: Exploitation of Sports Marketing.
- Development of a sports program and selection criteria of a sponsorship.
- Rights sponsor.
- Structure of the sponsors (Main, Secondary and Technical)
- Advantages and disadvantages of sponsorship.
- Keys to prepare a sponsorship proposal.

MODULE 24. SPORTS PSYCHOLOGY

- Team building.
- Management of relationships between team members.
- Relationship with driver / rider.
- Specific driver / rider preparation before free practice, qualifying and race.

ADVANCED MOTORSPORT MASTER

TEACHING STAFF

Sergi Borrull

Professor Automotive / Industrial Engineer

He has a long career as a track engineer and especially with cars. He was Technical Director of Pons Racing in the World Series by Renault. He has proven international experience and has worked in GP2 and F3 Euroseries.

RICARDO CARRASCOSA

Professor Motorsport and Motorcycling / Industrial Engineer

Track engineer at Moto2 and SBK in the FIM CEV Repsol World Championship. Engineer of the ASM team in the WRC with a R3T clio. In 2016 he worked at the World Supersport in the team of driver Nico Terol. He is currently in the MotoGP World Championship with Honda HRC.

Daniel Gratacós

Professor Automotive / Industrial Engineer

He has been an engineer for Red Bull's Jr. team with Carlos Sainz and has worked in the GP2 for 4 years with riders such as Timo Glock, Petrov or Maldonado. Engineer in the World Series by Renault with Jaime Alguersuari and other championships such as the A1GP, Formula SuperLeague, F3, GT's. He was the track engineer for Susie Wolff on the DTM's Mercedes Benz team. Chief engineer at the World Series by Renault 3.5 in the AV Formula team. Engineer of Peugeot Sport and specifically of Carlos Sainz with the Dakar project.

MÁSTER EN INGENIERÍA EN MOTORSPORT ONLINE

EQUIPO DOCENTE

Francisco Manuel López
Professor Automotive / Industrial Engineer
He participated in the development of the Concept Car Linx in 2002 and in the LRS Formula 1 Triplaza in 2004. He is currently coordinator of the engine area of the mechanics school of Monlau Motul Technical School. Track engineer of the Monlau team and engine specialist.

Carlos López
Director of Studies at Monlau Motul Technical School
Professor of Job Orientation. Lawyer.

Max Moro
Profesor Motociclismo
His motorcycling career began in 1979 with gravel racing. In 1988 he switched from off-road to circuit in the Italian Championship as a mechanic with Team Honda. In 1997, as a coach, he won the Suzuki Word Supersport Championship. In 2013 he won the European Superstock 600 with Team Yakhnich.
In 2017 he was the Chief Mechanic of the Carxpert Moto2 team with Tom Luthi.

Marc Nadal
Professor Motorcycling / Mechanical Engineer
Track engineer with extensive experience in different disciplines such as the DTM, GT s, WSR 3.5 and A1GP. He spent several seasons on the official Opel team at the DTM. He is manager of Nadaltech, a specialist in competition suspensions.

Jaime Serrano
Director General at Monlau Motul Technical School
Professor of Sports Management and Marketing.
Business Management and MBA.

David Simón
Professor Automotive / Industrial Engineer
Director of the Racing Department of Monlau Motul Technical School. He is currently also a professor in the area of cars and electricity at the Monlau Motul Technical School of Mechanics.

Albert Talamino
Professor Motorcycling / Industrial Engineer
Track engineer at the LRC Honda team in MotoGP.

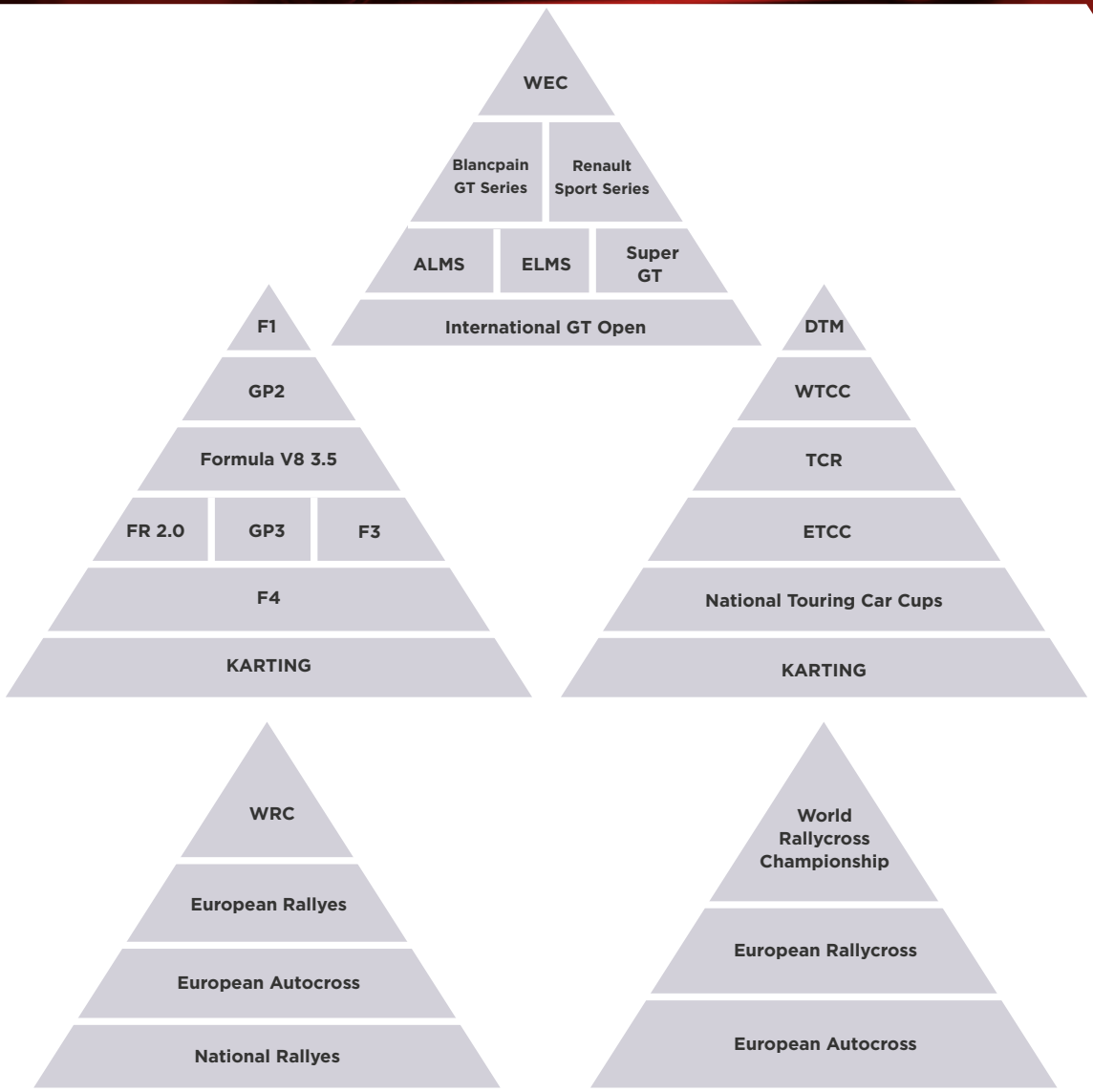
Piero Celi
Online Master Coordinator and Motorcycle Instructor
Data Recorder in the team Team Estrella Galicia 0,0 in the FIM JuniorGP.
Member of the technical staff of the Motorcycling Competition Department of Monlau Motul.

CAREER START

WHERE TO WORK?

MOTORSPORT WORLDWIDE OVERVIEW

RACE CAR



FIA CHAMPIONSHIPS

CIRCUIT

Formula One World Championship
World Endurance Championship
World Touring Car Championship
Formula E Championship
European Formula 3 Championship
European Truck Racing Championship
Formula 4 Championships
European Touring Car
Drag Racing
Alternative Energies
FIA GT World Cup
Karting

RALLYES

World Rally Championship
European Rally Championship
European Rally Trophy
Asia-Pacific Rally Championship
Middle-East Rally Championship
African Rally Championship
CODASUR Rally Championship
NACAM Rally Championship
Trophy for Historic Rally Championship
Cross Country Rallies

OFF ROAD

World Rallycross Championship
European Rallycross Championship
European Autocross

HILL CLIMB

European Hill Climb Championship
International Hill Climb Cup
Hill Climb Masters

HISTORIC

Masters Historic Formula One Championship
Masters Historic Sports Car Championship
Lurani Trophy For Formula Juniors Cars
European Historic Sporting Rally Championship
Historic Regularity Rally
Historic Hill Climb

FIA INTERNATIONAL SERIES

CIRCUITS

24H Series powered by Hankook
ADAC GT Master
ADAC Sachsen Historic Cup
ADAC TCR Germany
Asian Le Mans Series
Asian Le Mans Series Sprint Cup
Audi R8 LMS Cup
Audi Sport TT Cup
AvD Historic Race Cup
Belgian Gentlemen Drivers Cup
Blancpain GT Series
BMW M235i Racing Cup
BOSS GP
Cayman GT4 Trophy
Challenge Endurance GT / Tourisme VdeV
Challenge Endurance Proto VdedV
Championnat de France F4
Championnat de France FFSA GT & Prototypes
Classic Endurance Racing
Cup and Tourenwagen Trophy
Deutscher Tourenwagen Cup DTC
DTM
Eurocup Formula Renault 2.0
EuroFormula Open
European Le Mans Series
European VW Fun Cup
Ferrari Challenge Trofeo Pirelli Asia Pacific
Ferrari Challenge Trofeo Pirelli Europe
FHR HTGT um die Dunlop-Trophy
Formel VAU Europe
Formula 3.5 V8
Formula Renault 2.0 Northern Europe Cup
GP2
GP3
Groupe C Racing
GT Asia Series
GT Sports Club
GT und Touring Car Cup (DMV GTC)
GT4 European Series
Heritage Touring Cup
HSCC Historic Formula 2
International GT Challenge
International GT Open
Inernational V8 Supercars Championship
KIA Lotos Race
Lamborghini Blancpain Super Trofeo Asia
Lamborghini Blancpain Super Trofeo Europe
Lotus Cup Europe
Masters European Series
Michelin GT3 Le Mans Cup
MRF Challenge
Nascar Whelen Euro Series
Opel Astra OPC Cup
P9 Challenge
PCHC - Porsche Club Historic Challenge
Porsche Carrera Cup Asia
Porsche Carrera Cup Deutschland
Porsche Carrera Cup France
Porsche GT3 Cup Challenge Benelux
Porsche GT3 Cup Challenge Middle East
Porsche Mobil 1 Supercup
Porsche Platium GT3 Cup Challenge Central Europe
Porsche Sports Cup
Radical European Masters
Renault Clio Cup Central Europe
Renault Sport Trophy
Seat Leon Eurocup
Sixtie's Endurance
Super GT Series
Supercar Challenge
Superrace Championship
TCR Asias Series
TCR International Series
TMG GT 86 Cup
Touring Car Endurance Series powered by Hankook
Triumph Competition & British GTs
Trofeo Nastro Rosso
VLN Langstreckenmeisterschaft Nürburgring
Youngtimer Trophy

RALLYES

Clio R3T Alps Trophy
Drive DMACK Fiesta Trophy
Mitropa Rallye Cup

HILL CLIMBS

KW Berg Cup

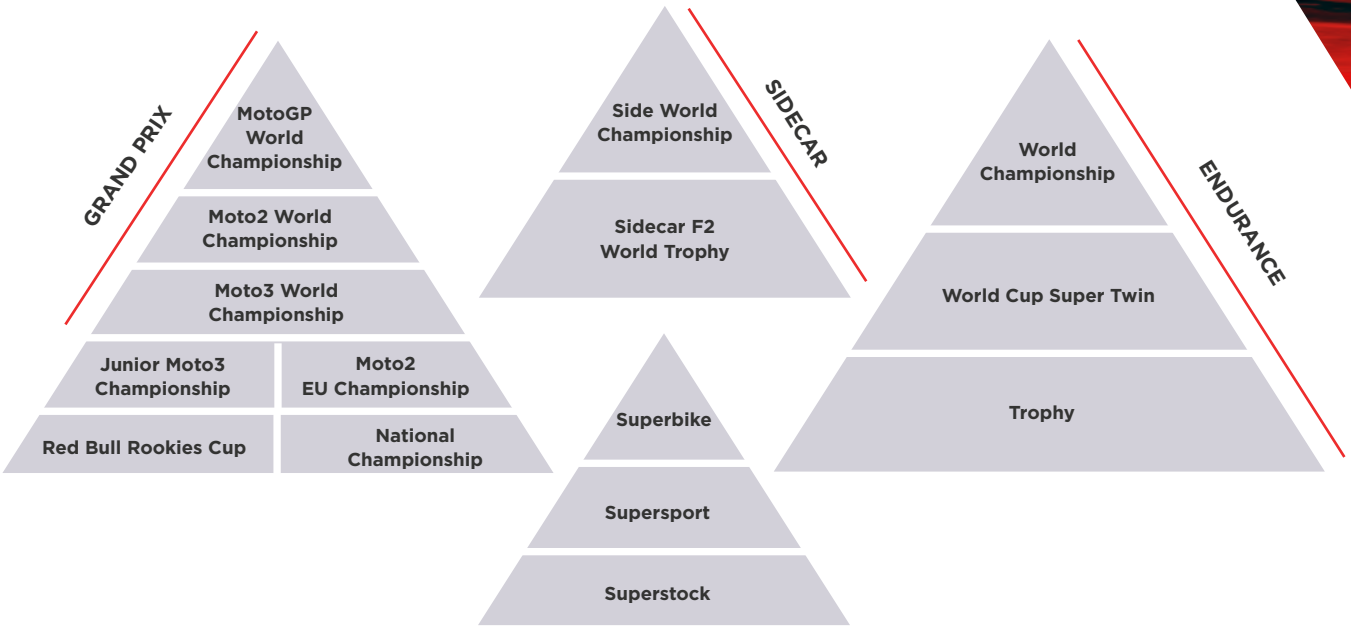
OFF ROAD

Rallycross Challenge Europe
RX Lite Cup

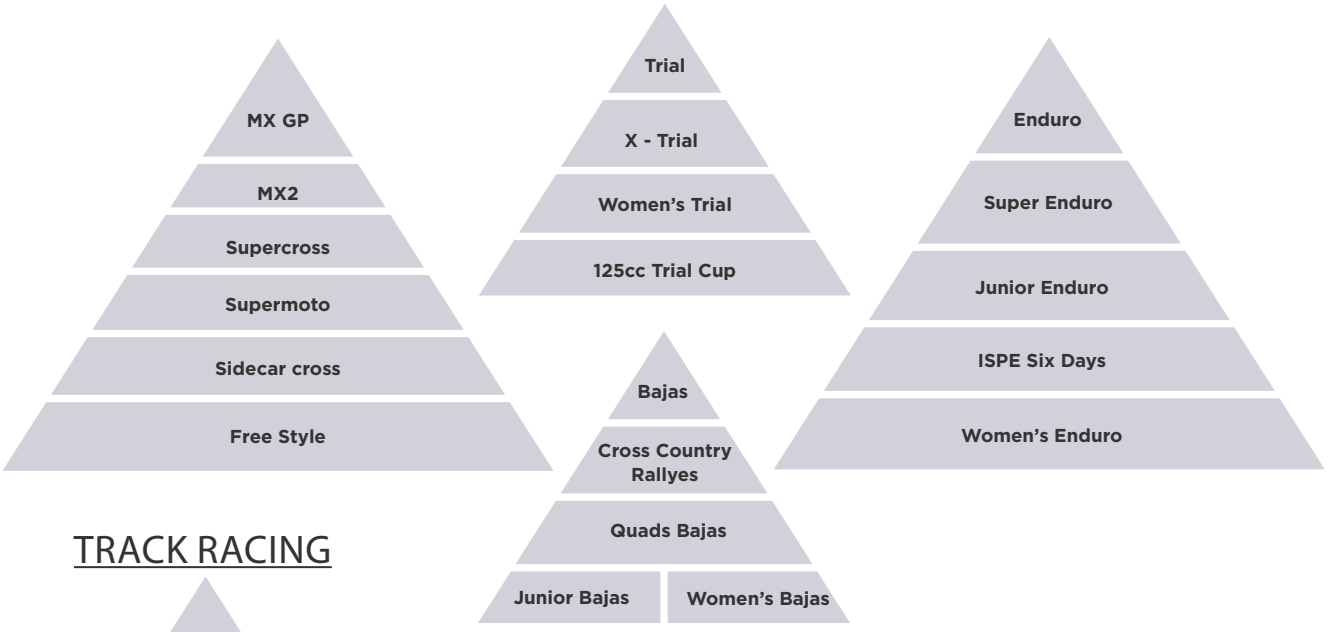
CAREER START
WHERE TO WORK?

MOTORSPORT WORLDWIDE OVERVIEW
RACE MOTORBIKES

ON ROAD



OFF ROAD



TRACK RACING

CIRCUIT RACING

MAIN DISCIPLINES

Grand Prix
Superbike/Supersport
Endurance
Sidecar
Sidecar F2 World Trophy
Superstock
Red Bull Rookies Cup
FIM CEV Repsol Moto3™ Junior World Championship
World Records Attempts

SECONDARY DISCIPLINES

International Circuit Race Meetings
International Hill Climb Meetings
International Endurance Meetings
International Sprint and Drag Meetings
International Vintage Meetings
International Classic Meetings
Latin-American Road Racing Regional Cup
Latin-American Road Racing Regional Championship
Latin-American Open Road Racing Cup
Ibero american Open Road Racing Championship
Panamerican Open Road Racing Championship
European Road Racing Championship
European Dragbike Championship
European Hill Climb Road Racing Cup
European Superstock 600 Championship
European Mini Moto Road Racing Championship
Latin-American Open Road Racing Championship
Asia Road Racing Championship
Asian Cup of Road Racing
North-American Vintage Road Racing Championship
African Road Racing Championship

MOTOCROSS

MAIN DISCIPLINES

Motocross - MXGP/MX2
Sidecarcross
Junior Motocross
Supercross
SuperMoto
Snowcross
Motocross of Nations
Women's Motocross
Freestyle
SuperMoto of Nations
Veterans' Motocross
FreeStyle of Nations
Women's SnowCross

SECONDARY DISCIPLINES

Latin American Supercross Regional Cup
Latin American Supercross Regional Championship
Latin American Quad Cross Regional Cup
Latin American Quad Cross Regional Championship
Latin American Women Motocross Regional Cup
Latin American Women Motocross Regional Championship
Latin American Supermoto Regional Cup
Latin American Supermoto Regional Championship
Latin-American Freestyle Motocross Regional Cup
Latin American Freestyle Motocross Regional Championship
Latin-American Motocross Regional Cup
Latin American Motocross Championship Open Class
Latin American Motocross Regional Championship
Latin American Motocross of Nations
Ibero American Supermoto Championship
Latin American Veterans Motocross Championship
Latin-American Women Motocross Championship
Latin-American Supermoto Championship
125 cc Individual Eurpean Motocross Championship
250 cc Individual European Motocross Championship
65 cc Individual European Motocross Championship
European Supercross Championship
80 cc Individual European Motocross Championship
Motocross of European Nations
Sidecarcross of European Nations
European Supermoto Championship
European Snowcross Cup
Latin-American Motocross Cup
Individual Latin-American Motocross Championship - MX2
Individual Latin-American Motocross Championship - MX1
Latin-American Supermoto Cup
Latin-American Quadcross Championship
80 cc Individual Latin-American Motocross Championship
125 cc Latin-American Supercross Championship
250 cc Latin-American Supercross Championship
Latin-American Freestyle Motocross Cup
Latin-American Minicross Cup
Asian Motocross Supercross Championship
Asian Supermoto Championship
North American Supercross Lites Championship
African Motocross Championship
International Motocross Meetings
International Quad meetings
International Motocross Freestyle Meetings
International Meetings with Artificial Obstacles
International Supercross Meetings
International Supermoto Meetings
International Snowmobile Meetings

TRIAL

MAIN DISCIPLINES

Trial des Nations
Trial
X-Trial
Women's Trial
Women's Trial des Nations
Trial World Cup
X-Trial des Nations
125cc Trial Cup

SECONDARY DISCIPLINES

Latin-American Trial Regional Cup
Latin-American Trial Regional Championship
European Trial Championship
European Trial Women's Championship
European Trial Youth Championship
Individual Latin-American Championship for Trial
Latin-American Indoor Trial Cup
North-American Trial Championship
International Trial Meetings
International X-Trial Meetings

ENDURO

MAIN DISCIPLINES

FIM Enduro Vintage Trophy
ISDE Six Days' Enduro
Enduro
Junior Enduro
Women's Enduro
Youth Enduro
SuperEnduro
Junior & Women SuperEnduro

SECONDARY DISCIPLINES

Latin-America Enduro Regional Cup
Latin-American Enduro Regional Championship
Individual European Enduro Championship
European Sidecar Enduro Championship
Individual Latin-American Two Days' Enduro Championship
Individual Asia Two Days' Enduro Championship
Asian Enduro Championship
North-American Enduro Championship
African Baja Enduro Championship
International SuperEnduro Meetings
International Enduro Meetings

MONLAU MOTUL TECHNICAL SCHOOL

RALLIES

MAIN DISCIPLINES

Cross-Country Rallies
Women's Cross-Country Rallies
Quads Cross-Country Rallies
Junior Cross-Country Rallies
Bajas
Women's Bajas
Quads Bajas
Junior Bajas

SECONDARY DISCIPLINES

Latin-American Cross Country Rallies Regional Cup
Latin-American Cross Country Rallies Regional Championship
European All-Terrain Rallye Cup
Latin-American Cross-Country Rallies Championship
African Motorcycle Rallies Championship
International Cross-Country Rallies Meetings
International Bajas Meetings

TRACK RACING

MAIN DISCIPLINES

Speedway Grand Prix - Qualifications
Speedway Grand Prix
Astana Expo FIM Ice Speedway Gladiators
Astana Expo FIM Team Ice Speedway Gladiators
Long Track
Speedway Under 21
Team Speedway Under 21
Speedway World Cup
World Speedway League
Team Long Track
Flat Track
Speedway Youth World Cup 250cc
Long Track Youth World Cup 250cc
Speedway Youth Gold Trophy 85cc
Track Racing Youth Gold Trophy 125cc

SECONDARY DISCIPLINES

European Motoball Championship
European Grass Track Championship
European Individual Speedway Junior Championship
European Speedway Club Champions' Cup
80 cc Youth Speedway Racing UEM Cup
Pairs Speedway European Championship
European Short Track Championship
Youth Grass Track 125cc UEM Cup
North American Track Racing Championship
European Individual Ice Racing Championship
European Individual Speedway Championship
International Speedway Meetings
International Long & Grass Track Racing Meetings
International Flat Track Meetings
International Speedway League Meetings
International Ice Racing Meetings

HOW TO ACCESS

DURATION
The total duration of the Online Engineering at Motorsport is approximately one academic year.

LOCALIZATION
The headquarters of Monlau Motul Technical School is located on Calle Potosí 38, in the city of Barcelona, Spain.

CERTIFIED
Monlau Motul Technica School will award his diploma of Engineer/a of Motorsport and/or Motorcycling in Motorsport.

ADDITIONAL INFORMATION
The Student Care department is available for questions or suggestions.

Telephone: + 34 93.274.40.75
WhatsApp: + 34 644 644 946

Business hours: (GMT +1)
from 9:00h. to 13:00h.
and 15:30h. until 19:00h.

E-mail
info@monlau-motorsport.com

INSCRIPTION

Total price: 3.985€ + 2 Track practice.

Payment method: Bank transfer.

STUDENT REQUIREMENTS
To access the Online Master in Engineering at Motorsport our students must meet any of the following requirements:

- Have a degree or degree in Engineering.
- Proven experience in the world of motor racing or motorcycling.

ADMISSIONS PROCESS
Once sent, by the candidate, all the information attesting to compliance with requirements to be a student, this will pass to the Admission Committee of Monlau Motul Technical School for validation.

In less than 15 days will be notified via email the candidate the results of the admission. In the case of a valid profile, the/the student will receive at home the Welcome Pack with all the information necessary for the beginning of the Master.

INFORMATIONAL CONTACT

SENDING OF SUPPORTING DATA TO ACCESS THE MASTER

MONLAU MOTUL TECHNICAL SCHOOL ADMISSIONS COMMITTEE

APPROVED ADMISSION PROCESS

WELCOME PACK

PATROCINADORES:

Monlau Motul Technical School
C/ Potosí, 38
08030 Barcelona

Tel. 93 274 40 75

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