

ADVANCED MOTORSPORT ENGINEERING MSC

RACE CAR & RACE MOTORBIKES

MONLAU MOTUL TECHNICAL SCHOOL


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Iban Ventura
Director General
Grupo Monlau



Jaime Serrano
Director General
Monlau Motul Technical School

Con más de 30 años de experiencia en el ámbito de la docencia técnica de competición automovilística y motociclista, desde **Monlau Motul Technical School**, en 2010, lanzamos el primer **Máster en Ingeniería en Motorsport** con un brillante claustro de profesores titulados, especializados en los diferentes módulos del Máster y en activo en las principales competiciones nacionales e internacionales.

Durante estos años hemos conseguido establecer y posicionar dicho Máster como referencia en el mundo de la formación en Motorsport.

Año tras año, hemos ido perfeccionándolo, hasta llevarlo a un punto óptimo para garantizar a nuestros alumnos una **experiencia docente** que les abra todas las puertas en el mundo del Motorsport.

En 2016, como en 2010, lanzamos el primer **Máster en Ingeniería de Motorsport ONLINE**. Con la misma ilusión que el primer día pero con un bagaje más exitoso y afianzado en el mundo académico.

Con el mismo motor, las mismas bases que nos alzan al éxito del Máster presencial, presentamos la versión digital para todos aquellos ingenieros amantes del Motorsport que por diversos motivos no pueden desplazarse a Barcelona para estudiar aquello por lo que sienten pasión: el mundo del motor. Da igual de dónde seas o de dónde vengas porque estudiarás toda la teoría y práctica que nuestros alumnos presenciales disfrutan.



ADVANCED MOTORSPORT ENGINEERING MSC

RACE CAR & RACE MOTORBIKES

OBJETIVOS

El principal objetivo de nuestra escuela, y de este Máster Online en concreto, es dar la oportunidad a jóvenes estudiantes de Ingeniería, ingenieros y/o profesionales con experiencia a formarse como verdaderos especialistas en motocicletas de competición en todas sus especialidades según los métodos, criterios y necesidades de los equipos profesionales y empresas especializadas que actúan en el mundo del Motorsport.



SALIDAS PROFESIONALES

Al finalizar el Máster el alumno tendrá todos los conocimientos para poder elegir su vertiente profesional.
Ingeniero de pista, ingeniero de motores o transmisiones, de chasis, de aerodinámica, de telemetría, de simulación, director de una escudería o de una oficina técnica, ingeniero en la industria de la automoción o auxiliar.

SOFTWARE

Como alumno, trabajarás con el software que utilizan las empresas del Motorsport.

PTC
ANSYS
MathWorks
PACETEQ
SIMSCALE
2D
2d-datarecording.com
AiM

PLAN DE ESTUDIOS
MÓDULOS

*Los textos de los módulos en la plataforma online aparecen en inglés.

ADVANCED MOTORSPORT ENGINEERING MSC

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.

PLAN DE ESTUDIOS
MÓDULOS

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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.

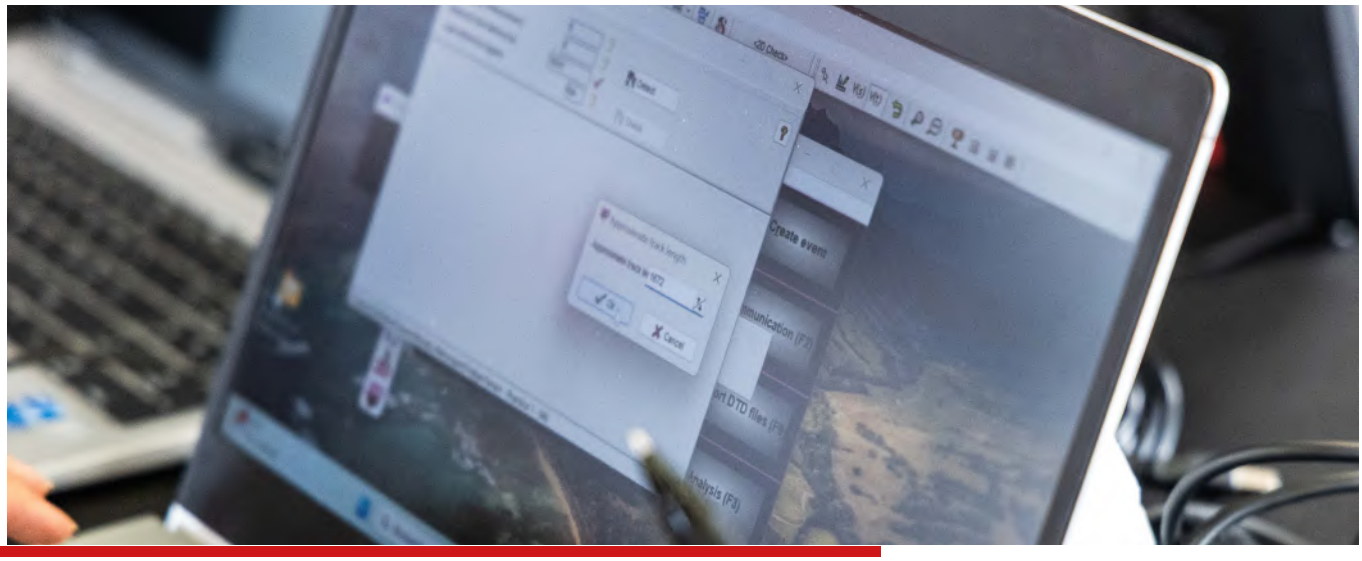
- Data acquisition system and its use.
- Targets of the data acquisition system.
- Hardware system: analogical and digital sensors, wiring loom and loggers.
- Installation of the system on the race motorbikes.
- Software system 2D.
- Different channels introduction: basics, specific for the engine and 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.





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.

PLAN DE ESTUDIOS
MÓDULOS

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MODULE 14. RACE FUEL AND LUBRICANTS

- Motul 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.

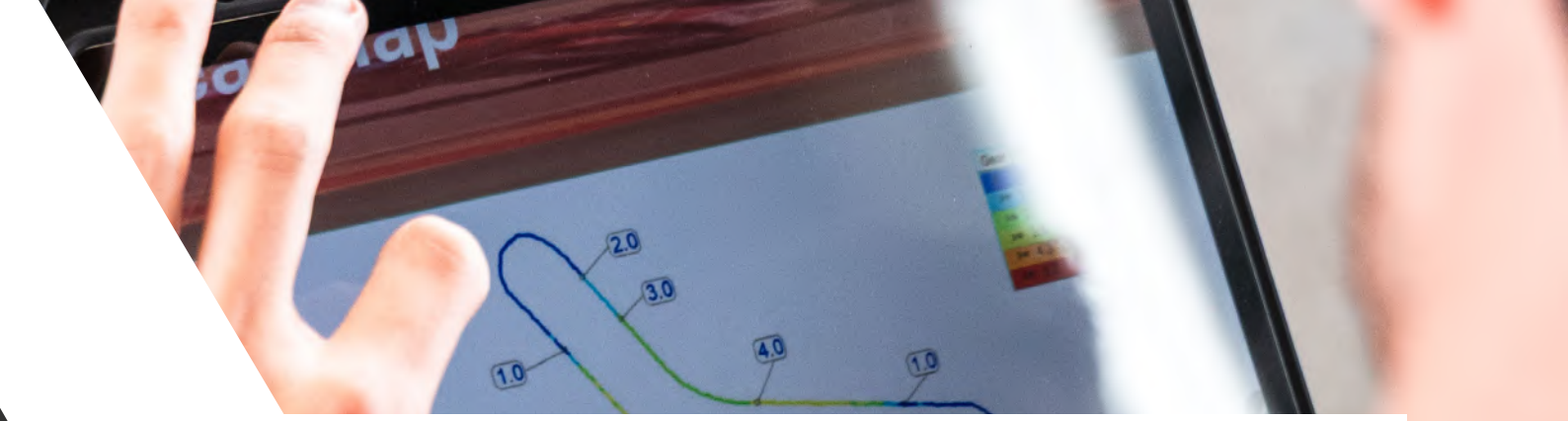
MODULE 17. ANSYS

- 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 & SIMULINK ONRAMP

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.

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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.



MÁSTER EN INGENIERÍA EN MOTORSPORT ONLINE

CLAUSTRO DOCENTE



Carlos López
Director de Estudios en Monlau Motul Technical School
Profesor de Orientación Laboral y Abogado.



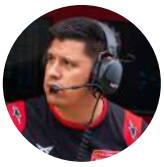
Piero Celi
Coordinador Máster en Ingeniería y Profesor de Motociclismo
Ex-alumno del Máster en Ingeniería de Motorsport de Monlau Motul. Data Recorder en el equipo Team Monlau Motul en el FIM MotoJunior WCh. Miembro del staff técnico del Departamento de Competición de Motociclismo de Monlau Motul.



David Simón
Profesor Automovilismo / Ingeniero Industrial
Team Manager del Departamento de Competición de Automovilismo de Monlau Motul Technical School. Actualmente también es profesor del área de turismos y electricidad en la escuela de Mecánica de Monlau Motul Technical School.



Alberto Martín
Profesor Motociclismo / Data Engineer
Ex-alumno del Máster en Ingeniería de Motorsport de Monlau Motul. Especialista en adquisición de datos en el Mundial Junior, 2 años en el Test Team de HRC y 5 temporadas en el Mundial de Superbike (WSBK) con HRC. Actualmente, compagina su experiencia en competición con la formación de futuros profesionales.

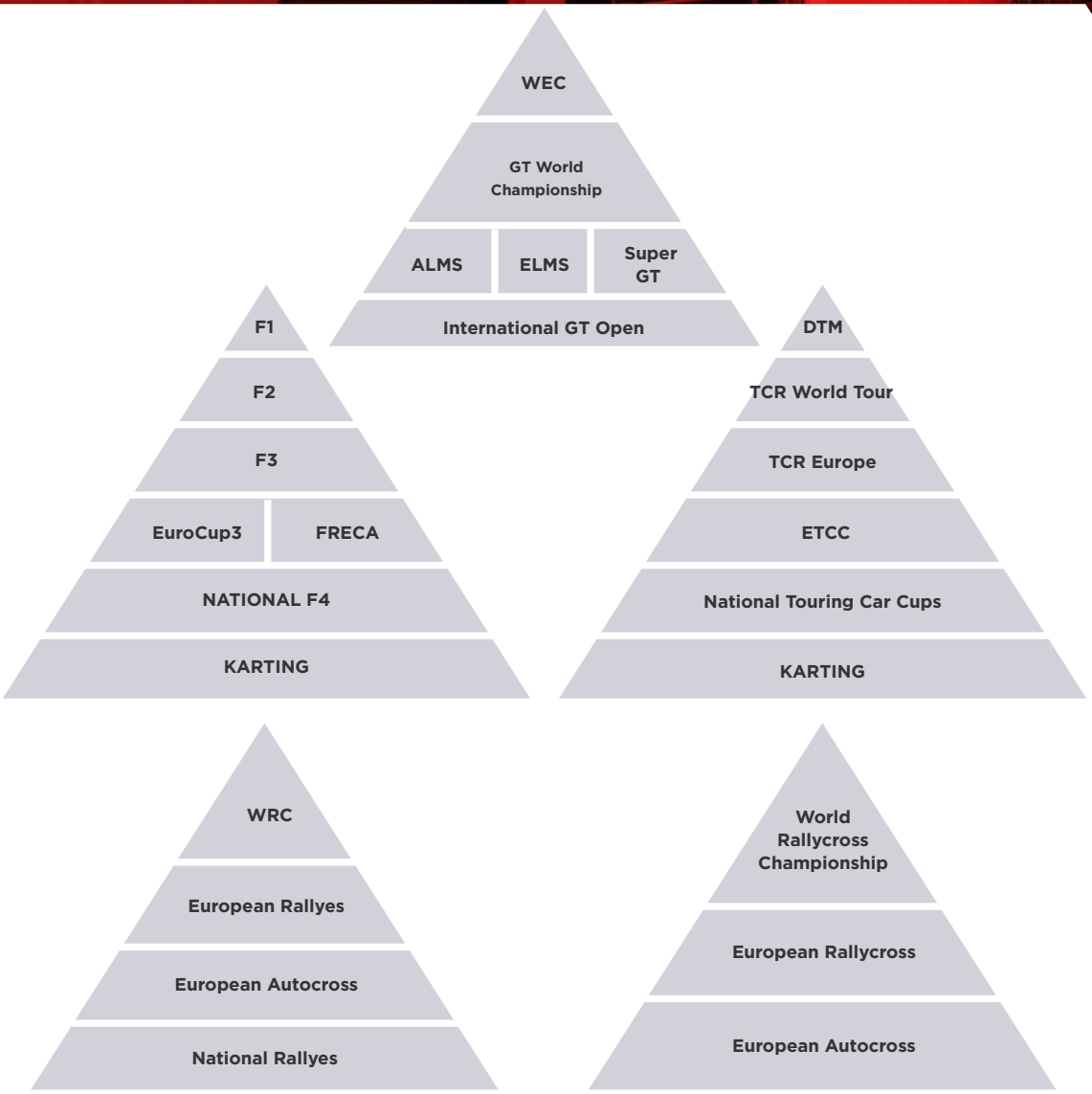


Eduardo Rivero
Profesor del módulo de Adquisición de datos (Auto)
Ingeniero mecánico con amplia experiencia en monoplazas.
Ex-Alumno del Máster en Ingeniería de Motorsport de Monlau Motul y actual ingeniero en la F4 Española junto a Monlau Motul.



SALIDA PROFESIONAL
¿DÓNDE TRABAJAR?

MOTORSPORT WORLDWIDE OVERVIEW
RACE CAR



FIA CHAMPIONSHIPS

CIRCUIT

FIA Formula One World Championship
FIA World Endurance Championship
ABB FIA Formula E World Championship
FIA Formula 2 Championship
FIA Formula 3 Championship
FIA Formula Regional European Championship
FIA FR World Cup
FIA F4 World Cup
FIA GT World Cup
Formula Regional Championships Certified By FIA
Formula 4 Championships Certified By FIA
Goodyear FIA European Truck Racing Championship
FIA Intercontinental Drifting Cup
FIA Central Asia Drifting Cup
FIA European Drag Racing Championship
Kumho FIA TCR World Tour
FIA TCR World Ranking Final

RALLYES

FIA World Rally Championship
FIA European Rally Championship FIA African Rally Championship FIA Asia-Pacific Rally Championship FIA Codasur Rally Championship FIA Middle East Rally Championship FIA NACAM Rally Championship FIA EcoRally Cup
FIA European Rally Trophy
FIA Rally Star

OFF

FIA Rallycross World Cup
FIA European Rallycross Championship
FIA European Autocross And Cross Car Champion ships
FIA Extreme H World Cup

HILL CLIMB

FIA European Hill Climb Championship FIA Historie Hill Climb Championship Performance Factor

CROSS-COUNTRY

FIA World Rally-Raid Championship FIA World Baja Cup
FIA European Baja Cup
FIA Middle East Baja Cup



FIA INTERNATIONAL SERIES

CIRCUITS

ADAC GT Masters
Asian Le Mans Series
BOSS GP
British HTGT Competition
Castrol Toyota Formula Regional Oceania Trophy
Classic Endurance Racing I
Classic Endurance Racing II
DTM
Endurance Racing Legends I
Endurance Racing Legends II
Eurocup-3
Euroformula Open
European Endurance Prototype Cup
European GT Lite Challenge
European Le Mans Series
F1 Academy
Ferrari Challenge Trofeo Pirelli Europe
Ferrari Challenge Trofeo Pirelli Coppa Shell Europe
Formula Middle East Trophy
Formula Regional Japanese Championship
GB3
Group C Racing
GT2 European Series powered by Pirelli
GT3 Revival
GT4 European Series
GT Challenge Asia
GT Cup Europe
GT World Challenge powered by AWS
Hoosier Formula Cup
Intercontinental GT Challenge
International GT Open
Lamborghini Super Trofeo Asia
Lamborghini Super Trofeo Europe
Legends of Le Mans
Ligier European Series
Masters Endurance Legends 1
Masters Group C
Masters Racing Legends for 1966–1985 Formula One Cars
McLaren Trophy Europe
Michelin 24H SERIES
Michelin Le Mans Cup
NASCAR Euro Series
P9 Challenge
Porsche Carrera Cup Asia
Porsche Carrera Cup Benelux
Porsche Carrera Cup France
Porsche Carrera Cup Middle East
Porsche Mobil 1 Supercup
Porsche Sixt Carrera Cup Deutschland
Prototype Cup Europe
Radical Cup Europe
Repco Supercars Championship
SportsCarChallenge
Super Formula
Super GT Series
TCR Europe
TSS The Super Series by B-Quik

RALLYES

Mitropa Rally Cup
TER Series
TER – Tour European Rally
TER Historic

HILL CLIMBS

KW Berg Cup
FIA European Hill Climb Championship
FIA Historic Hill Climb Championship

OFF ROAD

FIA European Rallycross Championship
FIA European Autocross Championship
FIA European Cross Car Championship
RallyX North
RallyX South



SALIDA PROFESIONAL
¿DÓNDE TRABAJAR?

MOTORSPORT WORLDWIDE OVERVIEW
RACE MOTORBIKES

ON ROAD

GRAND PRIX

- MotoGP World Championship
- Moto2 World Championship
- Moto3 World Championship
- Junior Moto3 Championship
- Moto2 EU Championship
- Red Bull Rookies Cup
- National Championship

SIDECAR

- Side World Championship
- Sidecar F2 World Trophy

ENDURANCE

- World Championship
- World Cup Super Twin
- Trophy

- Superbike
- Supersport
- Superstock

OFF ROAD

- MX GP
- MX2
- Supercross
- Supermoto
- Sidecar cross
- Free Style

- Trial
- X - Trial
- Women's Trial
- 125cc Trial Cup

- Enduro
- Super Enduro
- Junior Enduro
- ISPE Six Days
- Women's Enduro

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

TRACK RACING

- Speedway Grand Prix
- Long Track
- Flat Track
- Speedway World Cup



CIRCUIT RACING

MAIN DISCIPLINES

FIM MotoGP World Championship
FIM Moto2 World Championship
FIM Moto3 World Championship
FIM Superbike World Championship (WorldSBK)
FIM Supersport World Championship (WorldSSP)
FIM Sportbike World Championship (WorldSPB)
FIM Women's Circuit Racing World Championship (WorldWCR)
FIM Endurance World Championship (EWC)
FIM Sidecar World Championship
FIM Moto3 Junior World Championship (MotoJunior)
Red Bull MotoGP Rookies Cup
FIM MotoMini World Series
FIM Stock World Cup (Yamaha R3 bLU cRU)
FIM Harley-Davidson Bagger World Cup
FIM Dragbike World Cup
FIM Intercontinental Games

SECONDARY DISCIPLINES

Moto2 European Championship
Stock European Championship
Moto4 European Cup
Moto4 Northern Cup
Moto4 Asia Cup
Moto4 British Cup
Moto4 FIM Latin America Cup
Asia Road Racing Championship
MotoAmerica AMA/FIM North America Championship
Alpe Adria International Motorcycle Championship
European Mini Road Racing Championship
European Supersport 300 Cup
European Supersport 600 Cup
European Superstock 1000 Cup
European Women's Supersport 300 Championship
European Classic Circuit Racing Championship
European Classic Endurance Cup
European Drag Bike Championship
European Hill Climb Road Racing Championship
European Handy Bridgestone Cup
European Bagger Racing Cup
BMU Euro Road Racing Championship

MOTOCROSS

MAIN DISCIPLINES

FIM MXGP Motocross World Championship
FIM MX2 Motocross World Championship
FIM Women's Motocross World Championship (WMX)
FIM Junior Motocross World Championship
Monster Energy FIM Motocross of Nations (MXoN)
FIM World Supercross Championship (WSX)
FIM SidecarCross World Championship
FIM QuadCross World Championship
FIM S1GP SuperMoto World Championship
FIM SuperMoto of Nations
FIM SidecarCross of Nations
FIM QuadCross of Nations
FIM Snowcross World Championship
FIM Women's Snowcross World Championship
FIM FreeStyleCross World Cup
FIM Vintage Motocross World Cup

SECONDARY DISCIPLINES

EMX125 European Motocross Championship
EMX250 European Motocross Championship
EMX2T European Motocross Championship
EMX Open European Championship
EMX65 European Motocross Championship
EMX85 European Motocross Championship
EMX Women's European Motocross Championship
EMX Women's 125 European Motocross Championship
EMX Quad European Championship
European Motocross of Nations
European Women's Motocross of Nations
S2 SuperMoto European Championship
S4 SuperMoto European Championship
SM Junior European Championship
European Supercross Championship
European Yamaha YZ125 Cup
European Yamaha 65cc/85cc Cup
African Motocross Championship
Panamerican Motocross Championship
Asian Motocross Supercross Championship
FIM Oceania Motocross Championship
Latin-American Motocross Championship



TRIAL

MAIN DISCIPLINES

FIM Trial World Championship (TrialGP)
FIM Trial2 World Championship
FIM Trial3 Junior World Championship
FIM Women's Trial World Championship (TrialGP Women / Trial2 Women)
FIM X-Trial World Championship
FIM Trial des Nations
FIM X-Trial des Nations
FIM Trial Vintage Trophy

SECONDARY DISCIPLINES

Trial European Championship
Women's Trial European Championship
Junior Trial European Championship
Youth Trial European Championship
Senior Over 40 Trial European Cup
International Trial European Cup
International Women's Trial European Cup
International Youth Trial European Cup

ENDURO

MAIN DISCIPLINES

FIM EnduroGP World Championship
FIM Enduro E1 World Championship
FIM Enduro E2 World Championship
FIM Enduro E3 World Championship
FIM Junior Enduro World Championship
FIM Youth Enduro World Championship
FIM Women's Enduro World Championship
FIM Junior Women's Enduro World Cup
FIM SuperEnduro World Championship
FIM Hard Enduro World Championship
FIM International Six Days' Enduro (6DAYS)
FIM Enduro Vintage Trophy
FIM Enduro Vintage World Cup

SECONDARY DISCIPLINES

Enduro European Championship
Mini Enduro European Cup
Classic Enduro European Championship



RALLIES

MAIN DISCIPLINES

FIM World Rally-Raid Championship (W2RC)
- RallyGP
- Rally2
- Rally3
- Women's Trophy
- Junior Trophy
- Quads

FIM Bajas World Cup
- Motorcycles
- Quads
- Women
- Juniors
- Veterans

FIM Sand Races World Championship

SECONDARY DISCIPLINES

Bajas European Championship
Tout Terrain Rally European Cup

TRACK RACING

MAIN DISCIPLINES

FIM Speedway Grand Prix World Championship (SGP)
FIM Speedway Grand Prix Qualification Meetings
FIM Speedway Under 21 World Championship (SGP2)
FIM Speedway Youth World Championship (SGP3)
FIM SGP4 World Championship
FIM Speedway World Cup (SWC)
FIM Ice Speedway World Championship
FIM Ice Speedway of Nations
FIM Long Track World Championship
FIM Long Track of Nations
FIM Long Track Under 23 World Cup
FIM Flat Track World Championship
FIM Women's Speedway World Cup
FIM Women's Speedway Gold Trophy
FIM Speedway Youth Gold Trophy
FIM Track Racing Youth Gold Trophy
FIM Women's Flat Track World Cup
FIM Youth Flat Track World Cup
FIM Speedway Sidecar World Cup

SECONDARY DISCIPLINES

Individual Speedway European Championship (SEC)
European Under 19 Individual Speedway Championship
European Under 24 Team Speedway Championship
European Under 19 Pairs Speedway Championship
European Pairs Speedway Championship
European 250cc Youth Speedway Championship
European 250cc Pairs Speedway Championship
European 125cc Youth Track Racing Cup
European Individual Grass Track Championship
European Individual Ice Speedway Championship
European Ice Speedway Pairs Championship
European Flat Track Cup
European Speedway Sidecar Championship
European Motoball Championship
Motoball Junior European Championship
European Motoball Champions Cup
FIM Oceania Speedway Championship



CÓMO ACCEDER

DURACIÓN

El Máster Online en Ingeniería en Motorsport tiene una duración aproximada de un año académico.

LOCALIZACIÓN

Monlau Motul Technical School
Calle Potosí, 38. Barcelona, España.

CERTIFICACIÓN

Al finalizar la formación, Monlau Motul Technical School otorgará el diploma de Ingeniero/a en Motorsport, especializado en Automovilismo y/o Motociclismo.

INFORMACIÓN ADICIONAL

El departamento de Atención al Estudiante está disponible para resolver cualquier duda o consulta.

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Horario de atención (GMT+1):
De 9:00 a 13:00 h y de 15:30 a 19:00 h.

INSCRIPCIÓN

La inscripción se realiza de forma online a través de nuestra página web: www.monlaumotorsportacademy.com.

Método de pago: El pago se efectúa directamente mediante la pasarela de pago de la web, utilizando una tarjeta de crédito.

PROCESO DE ADMISIÓN

El acceso a la formación es inmediato. Una vez completado el pago, el alumno podrá acceder a la plataforma de formación online y comenzar los cursos adquiridos, sin necesidad de realizar trámites adicionales.

PATROCINADORES:





















































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