

## ***Motorvehicle University of Emilia-Romagna***

### **Registration is open to Italian and European students for Master's degree courses dedicated to innovation in the automotive industry**

*Registration is now open to European students for the international and inter-university Master's degree courses dedicated to six professional profiles: Advanced Powertrain, Advanced Motorcycle Engineering, Advanced Sportscar Manufacturing, High Performance Car Design, Racing Car Design e Advanced Automotive Electronic Engineering.*

*Students can register online through two portals:*

*[www.international.unimore.it/bandilan.html](http://www.international.unimore.it/bandilan.html)*

*<http://corsi.unibo.it/2cycle/AutomotiveElectronicEngineering/Pages/call-for-applications-20172018.aspx>*

*Italian students and international students from the countries of the European Union must apply by July 28, 2017 to access the later stages of the selection process.*

*A total of 150 students will be selected to launch the first year of the six training programs: 130 places are reserved to citizens and 20 to non-EU citizens.*

Modena, July 3, 2017 – The calls for entry have now officially been released for the enrollment of Italian and EU students in the international and inter-university Master's degree courses promoted by the Motorvehicle University of Emilia-Romagna (MUNER), which are dedicated to six areas of specialization: Advanced Powertrain, Advanced Motorcycle Engineering, Advanced Sportscar Manufacturing, High Performance Car Design, Racing Car Design and Advanced Automotive Electronic Engineering.

University students from all over Europe have until **July 28** to complete their applications for admission to the degree programs and access the later stages of the selection process, which, in accordance with the methods described in the two calls, will designate **150** talents from all over the world for the creation of the first classes of the Motorvehicle University of Emilia-Romagna.

The association was strongly endorsed by the regional administration of Emilia-Romagna and is made up of four universities in the region - the University of Bologna, the University of Ferrara, the University of Modena and Reggio Emilia, the University of Parma - and of the motor companies that represent the world's top Italian automotive products, whose history is deeply rooted in the territory: Lamborghini, Dallara, Ducati, Ferrari, Haas F1 Team, HPE Coxa, Magneti Marelli, Maserati and Toro Rosso.

*“Through the Motorvehicle University of Emilia-Romagna, companies, universities and institution have united to form a unique territorial system to create and bolster innovation in the automotive industry,” said **Andrea Pontremoli, CEO of Dallara Automobili and the new President of MUNER.** “Our goal is to attract the world’s best students with the best training programs. The courses of the six professional profiles will be held by the best teachers of the four universities, by visiting professors and by professionals from the various companies. In addition, the companies will provide locations and state-of-the-art labs and equipment such as engine test benches, static and dynamic benches, professional driving simulators and wind tunnels to provide students with training that is in step with the industry’s technological innovation.”*

## **Enrollment**

Italian, EU or foreign students regularly residing in the countries of the European Union who wish to enroll in the **Advanced Automotive Engineering** Master’s degree course must apply for admission by 1:00 pm on July 28, following the instructions provided by the University of Modena and Reggio-Emilia ([UNIMORE](http://www.international.unimore.it/bandilan.html)) at the following link: <http://www.international.unimore.it/bandilan.html>.

Candidates will be selected through an admission test that will be held on Monday, September 4.

There will be **108** available places out of **120** (the 12 remaining places are reserved to non-EU students), which will be subdivided based on the curricula of the different courses: the **High Performance Car Design** course is aimed at training engineers who are capable of understanding, setting up and designing the “cold” architecture of high performance road vehicles, through the study of the main aspects of planning and design. The **Advanced Powertrain** course, which is offered both in Modena and Bologna, is aimed at training engineers who are capable of designing and contributing to the engineering of traditional and innovative propulsion systems.

The postgraduate course in **Racing Car Design** focuses on the development of the “cold” architecture of racing cars. The **Advanced Motorcycle Engineering** course is aimed at providing students with an in-depth knowledge of the various aspects related to the design and development of both standard and competition high-tech motorcycles. The goal of the **Advanced Sportscar Manufacturing** course is instead to train engineers who are capable of planning, developing, controlling and managing industry-specific automotive production systems based on today’s most modern manufacturing processes.

These specialised courses are offered in close collaboration with Lamborghini, Dallara, Ducati, Ferrari, Haas F1 Team, HPE Coxa, Magneti Marelli, Maserati and Toro Rosso. Part of the lessons will be held at the experimental facilities and laboratories of the various companies.

Italian and EU students who are interested in the Master’s Degree in **Advanced Automotive Electronic Engineering** will be able to enroll instead on the portal of the University of Bologna (UNIBO), at the following link:

<http://corsi.unibo.it/2cycle/AutomotiveElectronicEngineering/Pages/call-for-applications-20172018.aspx>

This Master’s Degree is aimed at training experts capable of designing and engineering the most advanced electronic, computer and connectivity systems in an automotive sector.

There will be **22** places available out of **30** (the 8 remaining places are reserved to non-EU students) and students will have until July 28 to enroll and access the selection phase.

After the final deadline for submitting applications, the Commission will examine them to verify whether the candidates present the curricular requirements and are adequately prepared. Selected candidates will then be admitted to the final phase of individual interviews that will take place from September 4-9.

Admission to the ranking depends on the positive evaluation of the submitted documentation and on the outcome of the interview.

### Admission requirements

Students who wish to enroll in the **Advanced Automotive Engineering** and **Advanced Automotive Electronic Engineering** Master's degree courses must have obtained a three-year degree that has provided them with adequate expertise in engineering and in basic technical/scientific subjects (Maths, Chemistry and Physics). They also must have obtained a final grade higher than or equal to 95/100 (or an equivalent, for non-Italian applicants), and must possess sufficient knowledge of the English language to be able to use industry-specific texts and follow lessons and seminars in this language - their level must be equal or superior to level B2 of the Common European Framework.

All the details pertaining to the admission requirements are available on the calls featured at the following links:

[www.international.unimore.it/bandilan.html](http://www.international.unimore.it/bandilan.html)

<http://corsi.unibo.it/2cycle/AutomotiveElectronicEngineering/Pages/call-for-applications-20172018.aspx>

Additional information is available at: [www.motorvehicleuniversity.com](http://www.motorvehicleuniversity.com)

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## MUNER



### Contatti:

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### Università di Bologna

The University of Bologna has ancient origins: founded in 1088, it is considered the oldest University in the western world. It has over 80,000 students and 215 degree programs, 70 of which are international degree programs, in its 5 Campuses: Bologna, Cesena, Forlì, Ravenna and Rimini. It has 11 Schools, 33 Departments, 43 PhD programmes, 37 Specialisation Schools, 65 Professional master's programs of first and second level and an average of 11,000 research

products per year. The University of Bologna is the first university in Italy for the number of exchange students both outgoing and incoming.

### **Università di Ferrara**

The University of Ferrara is a very old, strong, structured and well-established institution. What distinguishes Ferrara most is the visible interpenetration between City and University: an authentic university campus. The University of Ferrara always occupies high positions in the main rankings regarding teaching activity and research. This is due to the quality of the many services dedicated to our main stakeholders – students – and the numerous research activities conducted every day in different scientific domains and disciplines. It can boast many well-established ties with educational and scientific institutions and other organisations around the world, as well as numerous international partnerships with foreign universities and bodies which enable students and researchers to pursue their activities in Ferrara or abroad with the same opportunities. A specific organisation oversees relations with businesses, provides patenting support and aids in the creation and subsequent development of spin-offs and start-ups.

### **Università di Modena e Reggio Emilia**

Unimore is one of the oldest Universities in Europe. It has a very strong approach towards innovation in many scientific and technological fields, which has led to very good relationships between enterprises and institutions. This enviable standing is extremely beneficial, with Unimore's graduates having the best performance in the labour market one year after their degree. Moreover, Unimore is the first University to obtain the Ministry Quality Certification.

### **The University of Parma**

The University of Parma is a State University conducting didactic and research activities at a national level. The University of Parma currently boasts about 25,000 students and 1,800 teaching and staff workers.

The University offers a rich course catalogue of more than 80 degree courses, including First Cycle, Second Cycle and Single Cycle degree courses, as well as Postgraduate Schools, Specialisation Courses and Master Programmes. Such activities are coordinated by 9 Departments: Department of Chemistry, Life Sciences and Environmental Sustainability; Department of Economics and Management; Department of Engineering and Architecture; Department of Humanities, Social Sciences and Cultural Industries; Department of Law, Politics and International Studies; Department of Mathematical, Physical and Computer Sciences; Department of Medicine and Surgery; Department of Veterinary Science; Food and Drug Department.

### **AUTOMOBILI LAMBORGHINI S.p.A.**

Founded in 1963, Automobili Lamborghini is headquartered in Sant'Agata Bolognese (Bologna) and it is the car brand that manufactures one of the most coveted super sports cars in the world. The Lamborghini Huracán, which made its world debut at the Geneva Motor Show in 2014, the Huracán Spyder and the RWD version of 2015 are the successors to the iconic Gallardo, and with their innovative technology and exceptional performance, they redefine the driving experience for luxury super sports cars. The Aventador S represents a new benchmark in the world of V12 luxury super sports cars. With 135 dealerships throughout the world, in half a century Automobili Lamborghini has created a continuous series of dream cars, including the 350 GT, Miura, Espada, Countach, Diablo, Murciélago, as well as limited editions including the Reventón, Sesto Elemento, Veneno and the Centenario.

### **Dallara Automobili, the pursuit of excellence**

Dallara was founded by its current president, Giampaolo Dallara in 1972. After working for Ferrari, Maserati, Lamborghini, and De Tomaso, Dallara wanted to continue pursuing his dream of working in the world of racecars. He established "Dallara Automobili da Competizione" in his hometown of Varano de Melegari, Parma, Italy. Since its establishment, Dallara has become world renowned for its specialty in designing, manufacturing, and developing racecars. The company's success can be credited to its achievements in Formula 3, first in Italy then around the world, its acclaim with American IndyCars, its consultancy for major manufacturers, and its continued focus on technology and innovation. Dallara prides itself in searching for the highest standards of quality, performance, safety, and customer support.

## **Ducati Motor Holding S.p.A. - A Sole Shareholder Company - A Company subject to the Management and Coordination activities of AUDI AG**

Founded in 1926, since 1946 Ducati has been manufacturing sport-inspired motorcycles characterised by high-performance Desmodromic engines, innovative design and cutting-edge technology. With its factory located in Bologna's Borgo Panigale district, in 2016 Ducati celebrates 90 years since it was founded. The model range covers several market segments with the following families: Diavel, Hypermotard, Monster, Multistrada, Superbike and SuperSport. In 2015 Ducati presented the Ducati Scrambler: a new brand made of bikes, accessories and apparel that provide the last word in creativity and self-expression. These authentic icons representing what the world knows as "Made in Italy", together with an extensive range of associated accessories and technical and lifestyle apparel, are distributed in 90 countries globally. Breaking all records for the company, in 2016 Ducati delivered to customers 55,413 bikes to customers. Ducati competes in both the World Superbike and MotoGP World Championships. In Superbike, Ducati has won 17 Manufacturers' titles and 14 Riders' titles. Ducati has been competing in MotoGP since 2003, winning both the Manufacturers' and Riders' titles in 2007.

## **Ferrari**

Ferrari is among the world's leading luxury brands focused on the design, engineering, production and sale of the world's most recognizable luxury performance sports cars.

Ferrari brand symbolizes exclusivity, innovation, state-of-the-art sporting performance and Italian design. Its history and the image enjoyed by its cars are closely associated with its Formula 1 racing team, Scuderia Ferrari, the most successful team in Formula 1 history. From the inaugural year of Formula 1 in 1950 through the present, Scuderia Ferrari has won 226 Grand Prix races, 16 Constructor World titles and 15 Drivers' World titles. Ferrari designs, engineers and produces its cars in Maranello, Italy, and sells them in over 60 markets worldwide.

## **Haas F1 Team**

Haas F1 Team debuted in the FIA Formula One World Championship in 2016, becoming the first American Formula One team since 1986. Founded by industrialist Gene Haas, Haas F1 Team is based in the United States on the same Kannapolis, North Carolina, campus as his championship-winning NASCAR team, Stewart-Haas Racing. Haas is the founder of Haas Automation, the largest CNC machine tool builder in North America, and he is chairman of Haas F1 Team.

## **About Haas Automation**

Haas Automation, Inc., is America's leading builder of CNC machine tools. Founded by Gene Haas in 1983, Haas Automation manufactures a complete line of vertical and horizontal machining centers, turning centers and rotary tables and indexers. All Haas products are built in the company's 102,000 square-meter (1.1 million square-foot) manufacturing facility in Oxnard, California, and distributed through a worldwide network of Haas Factory Outlets that provides the industry's best sales, service and support while offering unparalleled cost-to-performance value. For more information, please visit us on the Web at [www.HaasCNC.com](http://www.HaasCNC.com), on Facebook at [www.Facebook.com/HaasAutomationInc](http://www.Facebook.com/HaasAutomationInc), on Twitter @Haas\_Automation and on Instagram @Haas\_Automation.

## **Hpe Coxa**

Founded in Modena in 1998 by engineer Piero Ferrari, HPE COXA provides engineering services and projects for the Automotive, Motorsport, Off Highway, Automatic Machines and Defense industries. HPE COXA features over 220 employees, of which over 150 are engineers. Corporate skills range from design to simulation, to the creation of prototypes and limited series, to powertrain testing.

## **Magneti Marelli**

Magneti Marelli designs and produces advanced systems and components for the automotive industry. With 89 production units, 12 R&D centres and 30 application centres in 19 countries, approximately 40,500 employees and a turnover of 7.9 billion Euro in 2016, the group supplies all the major carmakers in Europe, North and South America and the Far East. The business areas include Electronic Systems, Lighting, Powertrain, Suspension and Shock absorbing

Systems, Exhaust Systems, Aftermarket Parts & Services, Plastic Components and Modules, Motorsport. Magneti Marelli is part of FCA.

### **Maserati**

Maserati: cars that are immediately recognizable for their extraordinary personality. Their style, technology and innate exclusivity – guaranteed to appeal to even the most discerning tastes – have made them an industry benchmark. The brand's ambassadors are the Levante (Maserati's first ever SUV), the flagship Quattroporte with GranSport and GranLusso versions, the Ghibli luxury sedan and the GranTurismo and GranCabrio sports cars. With the option of gasoline and diesel engines, rear or all-wheel drive, the finest materials and outstanding engineering, this is the brand's most comprehensive offering yet. A tradition of successful cars, each of them redefining the concept of the Italian sports car and setting new standards in style, performance, luxury and safety.

### **Scuderia Toro Rosso**

Scuderia Toro Rosso has been competing in the Formula 1 World Championship since 2006. The team was created with a view to form and give wings to the stars of the future coming through the ranks of the Red Bull Junior Driver Programme. The team's driver line-up is the perfect synthesis of that goal, as we go into battle with two very young and very high-skilled drivers, Carlos Sainz and Daniil Kvyat.

When the team was first established it operated partly as a satellite to Red Bull Racing, running a car designed mainly by Red Bull Technology. However, since 2010, Scuderia Toro Rosso has run completely independently, doing all the car design and manufacturing work in-house in Faenza. This necessitated a major expansion programme for the factory. The Italian side of the operation is supported by the team's wind tunnel facility in Bicester, England. Team Principal Franz Tost has been at the helm since 2005, while the technical side is managed by Technical Director James Key.

Currently the team has one win and one pole position to its name, both courtesy of Sebastian Vettel, who produced the fairytale result at the team's home race, the Italian Grand Prix in Monza, back in 2008. Since the team's debut up until now, Scuderia Toro Rosso has improved year after year and is now a clear rival for the rest of the top mid-field teams. The aim still remains the same: to add as many points as possible to the team's tally each race and become a fixed top contender in the Constructors' Championship.