UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

TECHNOLOGY AREA
"Enzo Ferrari" Department of Engineering

Call for Applications for the International Interuniversity Master's Degree Programme in

ADVANCED AUTOMOTIVE ENGINEERING
(Class LM-33)
MUNER - Motorvehicle University of Emilia Romagna
in collaboration with the Universities of Bologna, Ferrara, and Parma

partner companies:

Automobili Lamborghini spa, Dallara Automobili spa, Ducati Motor Holding spa, Ferrari spa, Haas F1 Team, HPE srl, Magneti Marelli spa, Maserati spa, Pagani Automobili spa, Scuderia Toro Rosso spa

RESERVED TO FOREIGN/INTERNATIONAL STUDENTS REQUIRING AN ENTRY VISA IN ITALY

Academic Year 2018/2019

The programme is fully in English

1. SUBJECT

At the University of Modena and Reggio Emilia, from 12/03/2018 to 30/04/2018 candidates can submit their online applications for the admission to the Master's Degree Programme in Advanced Automotive Engineering; the programme includes six courses:

- Advanced Motorcycle Engineering
- Advanced Powertrain - Bologna
- Advanced Powertrain - Modena

- Advanced Sportscar Manufacturing

- High Performance Car Design

- Racing Car Design

There are **24 places available (four for each course),** reserved to foreign/international students requiring an entry visa in Italy.

Courses are held at the Universities of Bologna (BO), Modena and Reggio Emilia (MO), and Parma (PR) as shown in the figure below (Figure 1):
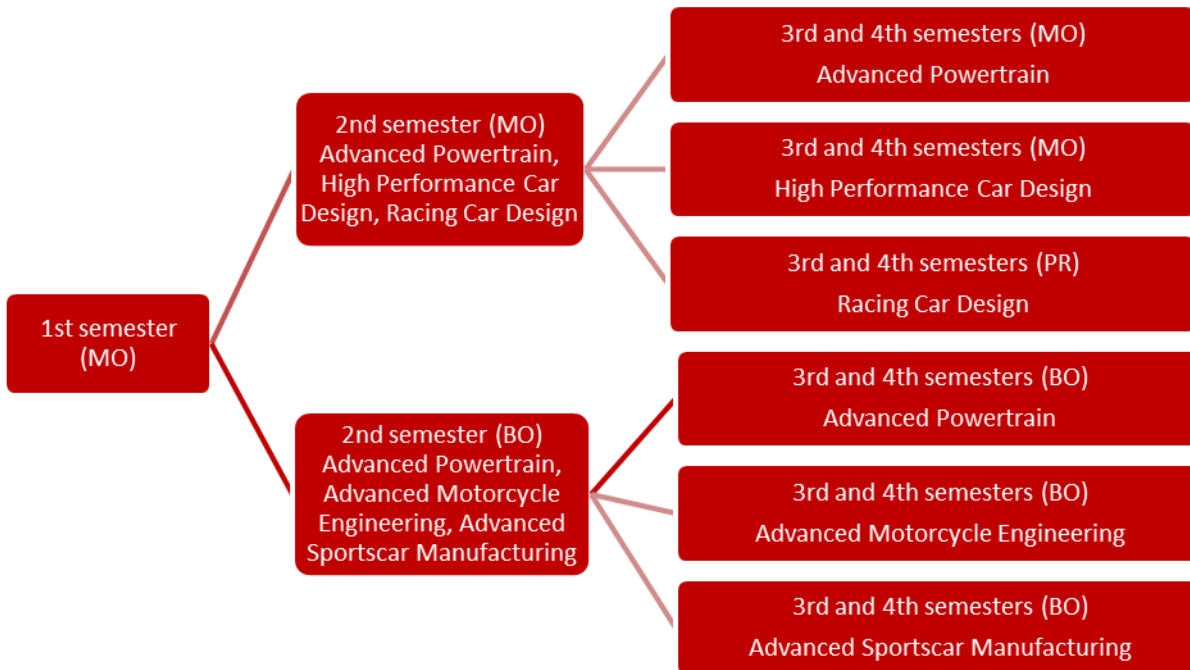

Figure 1: course breakdown at the Universities of Bologna (BO), Modena and Reggio Emilia (MO), and Parma (PR).

Vacant places will be made available to Italian, European and foreign/international candidates who are legally residing in Italy.

European and foreign/international candidates <u>**who are legally residing in Italy**</u> **are considered equivalent to Italian candidates. Therefore, they may request the admission to the Master's Degree Programme in Advanced Automotive Engineering by following the procedure indicated in the call for applications that shall be specifically drawn up for them and soon published at the link http://www.unimore.it/bandi/StuLau.html .**

The President of the study programme is professor Francesco Leali

2. QUALIFICATIONS AND KNOWLEDGE REQUIRED FOR THE ADMISSION

Eligibility requirements for the Master's Degree Programme are as follows:

- **Candidates shall posses one of the following study qualifications:**
  - Bachelor's Degree;
  - Three-year University Diploma;
  - Specialist Degree or Master's Degree, pursuant to MD 509/1999 or MD 270/2004.

- Five-year University Degree (before MD 509/1999)

obtained with minimum score of 95/110 or anyway not lower than 86% of the maximum score available
the highest score for study qualifications obtained abroad and considered equivalent.
candidates shall be responsible for certifying the obtainment of the minimum scores indicated.

The knowledge required for accessing this programme refers to an adequate mastery of general scientific methods and contents in basic disciplines (Mathematics, Information Technology, Statistics, Physics and Chemistry) and in engineering disciplines that are preparatory for the distinctive subjects of the degree programme.

- **Knowledge of the English language** at a suitable level to use texts of the sector and follow the classes and seminars provided in English, **at least equivalent to the B2 level of the European common framework**. The following documents shall be provided:

  - Currently valid certificates as shown in the link:
  http://www.clamore.unimore.it/downloads/page_attachments/0000/1324/tabella_certificazioni_novembre_2017_inglese.pdf

  - University exams of the English language providing teachings of B2 level, documented by a statement of the home University;
  - Obtainment of a bachelor degree in English;
  - English mother-tongue countries of origin (foreign or Italian citizens who are fluent in their language of origin as a consequence of their family or language experience shall be considered of foreign mother tongue);

  The curricular requirements for the enrolment will be evaluated by a specific Board, which will analyse the study curriculum submitted.

3. SUBMITTING THE APPLICATION

Applications shall be submitted online only from 12/03/2018 to 30/04/2018 at 3:30pm (local time) by logging in to the website http://www.esse3.unimore.it

The procedure is as follows:

- Register to the Esse3 website. Provide personal data, place of birth, residence, domicile, telephone number and e-mail address.
  If the registration is successful, a username and a password (personal data) will be displayed and are required for the next steps.
  Login data will also be emailed to the student.

- Login and enter username and password to access the personal area in Esse3.

- From the left-hand side menu, select "Admission" and the degree programme from the list provided.

Each candidate may submit only one application, which shall mandatorily indicate the order of preference of the following six courses:

- Advanced Motorcycle Engineering
- Advanced Powertrain - Bologna
- Advanced Powertrain - Modena
- Advanced Sportscar Manufacturing

- High Performance Car Design
- Racing Car Design

The order of preference indicated in the application is binding and <u>CANNOT</u> be changed later.

Candidates must provide the data of the required study qualification and attach the following documents:

1. Statement/certificate of the study qualification obtained and the degree score, including the list of the exams taken with relevant score, translated in English;
2. Detailed programme of the exams: for each teaching, indicate the detailed programme of the exam taken, translated in English;
3. Certificate reporting the maximum degree score assigned by the foreign University where the qualification was obtained, translated in English;
4. Language certificate stating the knowledge of the English language;
5. Name and e-mail address of the Embassy/Consulate where the university pre-enrolment request was submitted;
6. Copy of a valid ID, the same that shall be provided the day of the videoconference interview.

IMPORTANT: the application is correctly submitted only after saving the data and answering YES in the specific field "Do you want to submit your application now?". The application may now be printed.
The Board WILL NOT assess candidates whose application HAS NOT been explicitly confirmed.

In the event that the attachments have not been correctly or fully submitted via the online procedure, after answering YES to the question "Do you want to submit your application now?" candidates may send an e-mail to segrstud.ingegneria@unimore.it providing a valid ID and explaining the issue.
If
All candidates must pay a non-refundable expense contribution of € 55.00.
Payment shall be made BY 30/04/2018.

Payment shall be made by credit card from the website www.esse3.unimore.it. Click on "Login" and sign into your reserved area. Then click on "Fees" and follow the guided procedure. Please note that the PAYMENT DATE SENT BY THE BANK receiving the order of payment applies.

4. SUPPORT FOR DISABLED CANDIDATES

Pursuant to law no. 104 of 5 February 1992, as amended and supplemented, disabled candidates willing to request aids and/or compensatory measures for taking the exams shall submit suitable medical certification and relevant request to the Welcome Office for Disabled Students and Students suffering from SLD by using the form available on the website www.asd.unimore.it by 30/04/2018.
Candidates with hearing disabilities may hold the videoconference interview using alternative means (chat).
Based on the documents received, the Delegate of the Disability Rector, jointly with the competition Board, defines the modes and additional time agreed for taking the tests.

Candidates shall request it on the website www.esse3.unimore.it when filling out and submitting the online application.
The request and any relevant documents shall be submitted to the Welcome Office for Disabled Students and Students suffering from SLD, by 16/04/2018 via email to disabilita@unimore.it;

5. RESULTS OF THE TEST ASSESSING THE QUALIFICATIONS AND KNOWLEDGE REQUIRED FOR THE ADMISSION

The results of the tests evaluating the qualifications and knowledge required for the admission by the assessing Board appointed by the "Enzo Ferrari" Department of Engineering will be made available on the website http://www.unimore.it/bandi/StuLau-esiti.html by 14/05/2018.

ELIGIBLE candidates will receive an e-mail to the address provided in the application, containing the instructions of the date and time (local) set for the individual interview in English, which shall take place via an institutional videoconference system from 28/05/2018, aimed at assessing the technical preparation required to attend the Master's Degree Programme

Eligible candidates shall equip themselves with a computer suitable for holding a videoconference:

- Broad band Internet connection;
- Browser: Google Chrome (ver. 57.0.2 and higher);
- Audio system with speakers (or headphones) and microphone;
- Webcam;
- Operating System: Windows o Mac Os X

Further specifications will be detailed when the call for the videoconference is sent. A test environment will also be made available to verify the compliance with the standards and the correct operation.

Only those candidates with a working video device and providing the same ID attached to the application will be eligible for the interview.

The interview will deal with the following subjects:

- Fluid machinery
- Energy systems, power generation and internal combustion engines
- Thermal engineering and industrial energy systems
- Mechanical and thermal measurements
- Mechanics of Machines
- Mechanical design and machine construction
- Design methods for industrial engineering
- Manufacturing technology and systems
- Industrial mechanical plants
- Power electronic converters, electrical machines and drives
- Information processing systems
- Business and management engineering
- Electronics

SCORING for ranking purposes.
Each interview will be assigned a score out of thirties based on the results of the interview.

Interviews will be completed by 29 May 2018

For organisational purposes, candidates will not be allowed to take the interview on a date and time different from those communicated.

6. RANKING

For each course, a ranking will be drawn up based on both the results of the test and the requirements and knowledge for the admission, and the preferences indicated by the candidates in the application. It will be made available by 08/06/2018 on the website http://www.unimore.it/bandi/StuLau-grad2.html .
If there are places available at the end of the enrolment procedure (described in section 7), the ranking will be automatically updated.

It will be displayed on the reserved area of the website after logging in with username and password provided by Esse3 system.
The ranking will be drawn up with a score out of thirties.

ADMITTED candidates will be sent a letter confirming their eligibility for the enrolment, and they shall be responsible for forwarding it to the Italian Embassy/Consulate of their country of residence. The letter will also state that the candidate has passed the admission test to the master's degree programme.

Eligible candidates who have not yet been admitted will also be sent a communication stating their eligibility as they may be admitted later, when any vacant places are assigned again.

Tie ranking
In the event of equal scoring, the one obtained in the qualification required for the admission as in 2) of this call for application shall prevail in descending order.
In the event of a further tie, the youngest student shall prevail.

7. PRE-ENROLMENT OF CANDIDATES STILL LISTED IN THE RANKING

Admitted candidates are entitled to pre-enrol, and may do it from the ranking publication date and **by 1:00pm (local time) of 15 June 2018** by accessing the website www.esse3.unimore.it and clicking on "Enrolment", following the instructions provided in the "Online enrolment" guide and available on http://www.unimore.it/servizistudenti/guideesse3.html

Before starting the procedure, make sure you have the following documents available in an electronic format:
• Passport photo;
• Double-sided copy of a valid ID;

The preregistration procedure is made of two steps:

a) filling out the online enrolment: candidates shall use the username and password received when registering to access the Reserved Area of the website to confirm the data entered at the time of submitting the application (www.esse3.unimore.it, select "Enrolment" after logging in).
b) paying the university enrolment fee set for the programme, as indicated in section 9. Payment shall be made by credit card from the website www.esse3.unimore.it. Click on "Login" and sign into your reserved area. Then click on "Fees" and follow the guided procedure. Please note that the PAYMENT DATE SENT BY THE BANK receiving the order of payment applies.

The initial payment of 159.05 euros shall be considered as a deposit/down payment of the enrolment fees to the study programme. Eligible candidates who have not completed the university pre-enrolment procedure at the diplomatic or consular representations or do not go to the UNIMORE Registrar's Office by the deadlines indicated, will ultimately loose the amount paid.
Should the candidate fail to obtain the visa issued by the diplomatic or consular representations, the administration will refund the amount paid net of the money transfer fees.

After arriving in Italy, candidates shall go to the Registrar's Office of the "Enzo Ferrari" Department of Engineering at the address Via Campi 213/b in Modena. The office opening hours are available at the following link http://www.unimore.it/servizistudenti/segreteriestudenti.html candidates must submit the following documents in order to get their badge:

- Bachelor degree diploma, translated and legalised by the Italian Embassy/Consulate of the country where it was obtained;
- certification of university degree validity, issued by the Embassy/Consulate
- degree certificate, issued by the University in which the degree was obtained (it is also accepted in English, French, Spanish, German and Chinese) or, alternatively, the "diploma supplement";
- international language certificates or statement of the home university, proving the required language skills;
- copy of the residence permit or alternatively a copy of the post office receipt, certifying the filing of the residence permit request.

8. ASSIGNMENT OF VACANT PLACES

If there are vacant places after the pre-enrolment procedure described in 7) has been completed, ELIGIBLE candidates will be immediately notified by the person in charge of the procedure, and will be provided with the instructions of the terms for pre-enrolment.

9. COSTS AND ALLOWANCES

To the purpose of pre-enrolment, university fees for non-EU students residing abroad include the initial payment of 159.05 euros.

Students willing to apply for university accommodation, grants and university tax exemption must submit an online request on the website www.er-go.it providing the documentation on the family income.
The documents required are listed at the link: https://www.er-go.it/index.php?id=6620.
Students not submitting the online application shall pay the total tax fee of 2,200 euros approximately.
Online requests may be submitted from the 15 July 2018, even before the enrolment in the programme.
Note: pay attention to the various deadlines!
For further information please go to http://www.er-go.it/index.php?id=5963

10. PERSON IN CHARGE OF THE PROCEDURE

The person in charge of the procedure is Giuseppe Milano, who is responsible for the Registrar's Office. The office responsible is the Registrar's Office of the "E. Ferrari" Department of Engineering, ADVANCED AUTOMOTIVE ENGINEERING programme, tel. 059/2055637; fax: 059/2055648, e-mail:

segrstud.ingegneria@unimore.it.

11. OFFICES AND REFERENCE LINKS

International foreign students may contact the International Welcome Desk of UNIMORE for assistance with administrative formalities such as:
- residence permit request
- tax code request
- opening of a current account
- health insurance
- transport facilitations
- access to the accommodation search and housing services
- accommodation certificate for the diplomatic representation
All students are invited to register on the
www.isu-services.it/it/universities/universita-di-modena platform to book services.
Office addresses:
- Modena, Via S. Geminiano, 3. Opening hours: Mondays, Wednesdays and Fridays from 9:30am to 3:00pm
Reggio Emilia, Via Allegri, 15 (Students services department) on Wednesdays every two weeks and depending on the specific requirements.
Email: internationalwelcomedesk@unimore.it Telephone: 059/2058171

For information on the study programmes, the assessment and enrolment procedures:
email: informastudenti@unimore.it
Tel. 059/2058255 and 0522/523555
The opening hours and locations are available on:
http://www.orientamento.unimore.it/site/home/orientamento-allo-studio-e-tutorato/informastudenti.html

For information on the call for applications contact the Registrar's Office of the "E.Ferrari" Department of Engineering, Via Campi 213/b 41125 - Modena tel. 059/2055640; fax: 059/2055648, e-mail: segrstud.ingegneria@unimore.it
The opening hours are available on http://www.unimore.it/servizistudenti/segreteriestudenti.html

For IT issues on the application/assessment or to retrieve the esse3 log on credentials please e-mail webhelp@unimore.it
Assistance service opening hours: Monday to Thursday from 9:00am to 5:00pm and on Fridays from 9:00am to 2:00pm

For information on teaching (such as study programme, teachings, class timetables, reference professors) please contact the Teaching Office of the "E. Ferrari" Engineering Department, Via Pietro Vivarelli, 10 – 41125 - Modena www.ingmo.unimore.it. e-mail: tutor.dief@unimore.it.

Welcome Office for Disabled and Dyslexic Students
Tel. 059/2058311 - Fax 059/2058309 – e-mail: disabilita@unimore.it

Benefit online application e-mail servizi.studenti@unimore.it
Website for submitting the application for benefits www.er-go.it

For general inquiries about the Programme please visit www.aae.unimore.it or contact the AAE communication office at info.aae@unimore.it

The Registrar's Office and Informastudenti are closed from 13 to 17 August 2018