



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)

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,
Magnetit Marelli spa, Maserati spa, Pagani Automobili spa,
Scuderia Toro Rosso spa**

**RESERVED TO ITALIAN, EUROPEAN AND NON-EUROPEAN
STUDENTS WHO ARE LEGALLY RESIDING IN ITALY**

Academic Year 2018/2019

The programme is entirely in English

1. SUBJECT

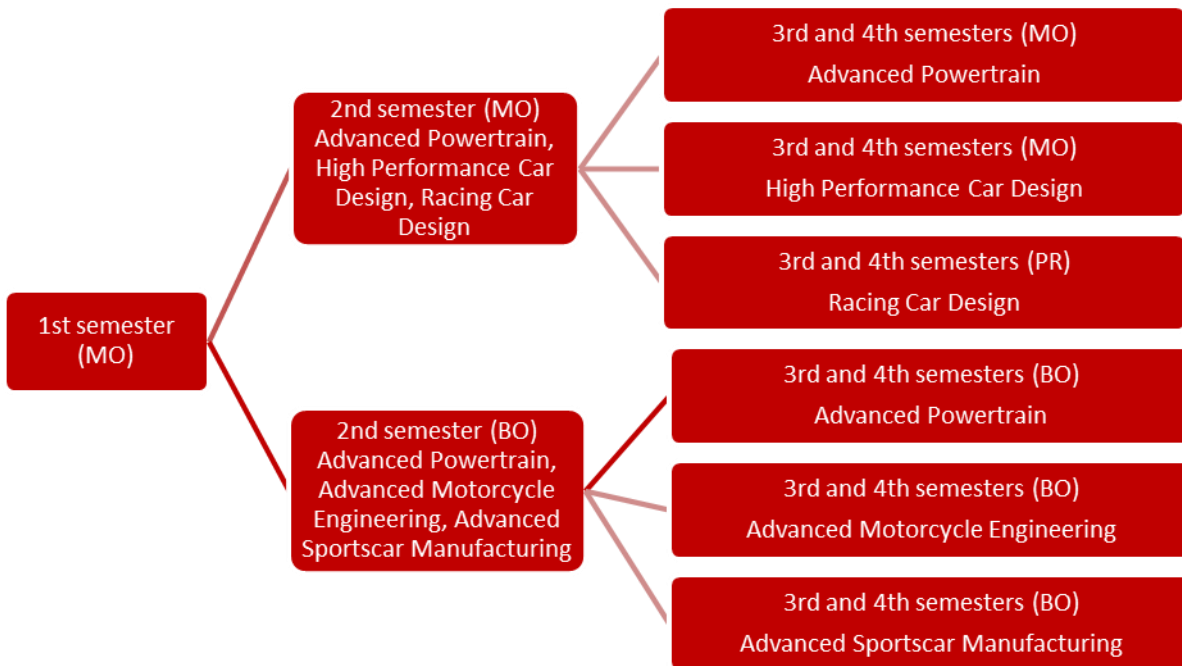
At the University of Modena and Reggio Emilia, from 02/05/2018 to 27/07/2018 candidates may submit their online applications for the admission to the Master’s Degree Programme in Advanced Automotive Engineering; the programme includes six courses:

- Advanced Motorcycle Engineering
- Advanced Powertrain - Bologna
- Advanced Powertrain - Modena
- Advanced Sportscar Manufacturing
- High Performance Car Design

- Racing Car Design

The places available are **96 (sixteen for each curriculum)**, all reserved to Italian, European and non-European students who are legally residing in Italy.

The 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):



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

Any places reserved to non-European/international students requiring an entry visa for Italy, that are left vacant, will be made available to Italian, European and non-European/international candidates who are legally residing in Italy.

In order to ensure the right to education to the greatest possible extent and in compliance with procedural rules provided for in the call for applications, in the event that there are vacant places after the deadline set on 27/07/2018 for submitting the application for admission, the University reserves the right to launch a second call for applications.

In that case, a notice will be published at the following link:

<https://www.unimore.it/bandi/StuLau-Avvisi.html> indicating the number of places left vacant and the instructions for submitting the application to the new call for applications.

The reference person of the study programme is Professor Francesco Leali

2. QUALIFICATIONS AND KNOWLEDGE REQUIRED FOR THE ADMISSION

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

- **Candidates shall possess one of the following study qualifications:**
 - University Degree;
 - Three-year University Diploma;
 - Specialist Degree or Master's Degree, pursuant to DM 509/1999 or DM 270/2004.
 - Five-year University Degree (ante DM 509/1999)

obtained with a minimum score of 95/110 or anyway not lower than 86% of the maximum score possible for study qualifications obtained abroad and considered equivalent to the qualifications listed above.

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.

For applicants possessing an Italian study qualification, the curriculum requirements to access the programme are a minimum of 85 credits in the scientific disciplinary sectors (SSDs) as shown in Table 1 below, also referring to the minimum requirements set in Table 2.

TABLE 1
List of the SSDs for which a minimum of 85 credits are required
INF/01
ING-INF/04, ING-INF/05, ING-INF/07
CHIM/03, CHIM/07
MAT/02, MAT/03, MAT/05, MAT/06, MAT/07, MAT/08, MAT/09
FIS/01, FIS/03
ING-IND/02, ING-IND/03, ING-IND/04, ING-IND/05, ING-IND/06, ING-IND/07, ING-IND/08, ING-IND/09, ING-IND/10, ING-IND/11, ING-IND/12, ING-IND/13, ING-IND/14, ING-IND/15, ING-IND/16, ING-IND/17, ING-IND/21, ING-IND/22, ING-IND/23, ING-IND/27, ING-IND/31, ING-IND/32, ING-IND/33
SECS-S/02
L-LIN/12

TABLE 2	
Minimum number of credits (CFUs) required in the corresponding SSDs (Scientific Disciplinary Sectors)	
GROUPS OF SSDs minimum CFUs	Minimum CFUs
INF/01, ING-INF/05, MAT/02, MAT/03, MAT/05, MAT/06, MAT/07, MAT/08, MAT/09, SECS-S/02, CHIM/03, CHIM/07, FIS/01, FIS/03	32
ING-IND/02, ING-IND/03, ING-IND/04, ING-IND/05, ING-IND/06, ING-IND/07, ING-IND/08, ING-IND/09, ING-IND/10, ING-IND/11, ING-IND/12, ING-IND/13, ING-IND/14, ING-IND/15, ING-IND/16, ING-IND/17, ING-IND/19, ING-IND/21, ING-IND/22, ING-IND/23, ING-IND/27, ING-IND/31, ING-IND/32, ING-IND/33, ING-INF/04	48

- **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:

- Certificates as shown at the following link:

http://www.clamore.unimore.it/downloads/page_attachments/0000/1324/tabella_certificazioni_nove_mbre_2017_inglese.pdf

- University exams of the English language providing teachings of B2 level, documented by a statement of the home University;

- 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 may be submitted online only from 2 May 2018 to 27 July 2018 at 1pm 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 **CANNOT** be changed later.

At the end of all call for applications procedures for the enrolment to the Study programme, including those regarding a possible second call, enrolled students may submit a request for changing the curriculum, following the instructions provided in the specific notice published at the link <https://www.unimore.it/bandi/StuLau-Avvisi.html>. The request must be adequately justified and will be evaluated by the Study Programme Council.

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;
2. Detailed programme of the exams: for each teaching, indicate the detailed programme of the exam taken;
3. Certificate reporting the maximum degree score assigned by the foreign University where the qualification was obtained;
4. Language certificate stating the knowledge of the English language;

The attached documents listed above may be in Italian or English.

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. Should it be necessary to re-open the application to change the documents attached or attach new ones, please note that **the candidate is responsible for making the application final and closing it, to avoid exclusion from the evaluation.**

The application for admission provides for a non-refundable contribution of € 55,00 to cover the costs: payment shall be made using the specific form at any bank counter or teller machine in Italy, or telephone banking and Internet banking, as well as by credit card as per what described in the information notice at the link <http://www.unimore.it/ammissione/tasse.html>. Payment may be done by means of the instructions provided **until the moment before the test is carried out**. Full payment means that the payment has been made and accounted for by the bank, prior to the admission test.

4. SUPPORT FOR DISABLED CANDIDATES

a) Candidates with disabilities

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 at least 15 days before the admission test.

b) Candidates with diagnosis of SLD

Pursuant to Law no. 170 of 8 October 2010 as amended and supplemented, candidates suffering from a Specific Learning Disorder (SLD), proven by proper certification issued in the last 3 years by institutions of the National Health Care System or specialists and facilities accredited by it, and willing to apply for aids and/or compensatory measures for carrying out the tests, are given an extra time equal to 30% more than the time set and/or compensatory devices and tools (Art. 11 M.D. no. 85 of 5 February 2014). To this purpose, candidates shall submit to the Welcome Office for Disabled Students and Students suffering from SLD a suitable clinical diagnosis and the relevant application downloadable from the website www.asd.unimore.it at least 15 days before the selection test

Both types of candidates shall apply for it from 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 at least 15 days before the selection test following one of the procedures below:

- by delivering them in person during the office opening hours (available at the link <http://www.unimore.it/servizistudenti/ufficiostud.html?ID=ASDM>);
- by emailing the scanned documents to disabilita@unimore.it;
- by sending them by fax to 059 2058309;
- by sending them by registered mail to the address Servizio Accoglienza Studenti Disabili e con DSA - strada Vignolese n.671 - 41125 MODENA.

The application may be filled out and the disability certification or the LSD clinical diagnosis may be delivered at the Welcome Office for Disabled Students and Students suffering from LSD.

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.

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 examining Board appointed by the “Enzo Ferrari” Department of Engineering will be made available on the website <http://www.unimore.it/bandi/StuLau-Avvisi.html> by 10/08/2018.

6. ADMISSION TEST AND SELECTION PROCEDURE

The test will take place on

THURSDAY 6 SEPTEMBER 2018 at 11

at the Teaching Office of the “E. Ferrari” Engineering Department, Via Pietro Vivarelli, 10 –
41125 - Modena

The actual distribution of the candidates in the different classrooms and details of the classrooms in which the test will be held will be disclosed by 30 August 2018 by means of specific notices placed at the entrance of the Educational Service Centre and published at the link <http://www.unimore.it/Bandi/StuLau-Avvisi.html>.

No personal communication will be provided.

When taking the admission test, all candidates must have a valid personal ID with them.

Failure to show the above document on the day of the test will result in the exclusion of the candidate from the selection.

Candidates must arrive in the Classrooms strictly by 8:30am. The test is in English and lasts **180 minutes**. It starts at **11am** once all candidates have been identified.

Candidates are all required to stay at the place of the test until the end of the time assigned for it, and anyway until all operations of handing out the documents of the test are completed, pursuant to the procedures described in the instructions provided before the beginning of the admission test.

The written test is made of **60 queries**, each with five answer - candidates must select only one answer and discard the wrong, arbitrary or least likely ones - and **2 open queries** on topics chosen among the following:

- 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

The scoring assigned for the 60 queries is as follows:

- 1.5 points for each correct answer;
- -0.4 points (subtracted) for each wrong answer;
- 0 points for each missing answer;

The scoring assigned to the 2 open questions is as follows:

- a maximum of 15 points for each query

The maximum scoring for the written test is therefore 120 points.

7. 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 14/09/2018 on the website <http://www.unimore.it/bandi/StuLau-grad2.html>.

It will be displayed on the reserved area of the website after logging in with username and password provided by the Esse3 system.

The ranking will be drawn up with a score out of 120ths

*Candidates are only entered in the ranking of the course to **which they have given their preference, among those in which they have obtained a useful ranking**, and in the rankings of the courses in which they have not obtained a useful ranking but have indicated a higher priority.*

Some examples are given below:

Example no. 1: the test score ranks the candidate high enough to enrol only in the sixth-choice course: in this case the candidate remains in the rankings of fifth, fourth, third, second and first choice for any possible future "reassignment", for which please refer to point 9 "Assignment of vacant places".

Example no. 2: the test score ranks the candidate high enough to enrol only in the third-choice course: in this case, the candidate remains in the rankings of second- and first-choice courses and is removed from the rankings of the fourth-, fifth- and sixth-choice courses.

Tie ranking

In the event of tie ranking, the degree score shall prevail in descending order.

In the event of a further tie, the youngest student shall prevail.

8. ENROLMENT OF CANDIDATES STILL LISTED IN THE RANKING

1) STUDENTS WITH AN ITALIAN STUDY QUALIFICATION

From the day when the ranking is published and until 1pm of 20/09/2018, the candidates who have ranked within the maximum number of places available for the selection (winners) in the final rankings shall enrol online by accessing the website www.esse3.unimore.it in the “enrolments” section and following the procedures described in the “Guide to the enrolment” available at the link <http://www.unimore.it/ammissione/immaisc.html>.

Filling out the enrolment application and paying the first fee instalment does not automatically result in the student’s enrolment.

Subject to a verification carried out by the relevant offices, the enrolment is complete when the candidate is emailed a notification and sent a text message within seven working days following the payment receipt.

Any mistakes detected in the online enrolment completed by the candidate will be communicated to the email address provided when registering to ESSE3.

NOTE: payments made after the enrolment deadline SHALL NOT be valid for enrolment purposes.

- a) 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
 - copy of the residence permit (for non-EU students residing in Italy)
- b) Filling out the online enrolment: candidates shall use the username and password received when registering to ESSE3 to access the Reserved Area of the website www.esse3.unimore.it and select “Enrolment” to confirm the data entered when submitting the application.
- c) Once the procedure described above is complete, it will be possible to print the enrolment application and the payment form of the first instalment of university fees and taxes.
Payment shall be made by **20 September 2018** at any bank counter or teller machine in Italy, or by telephone banking and Internet banking, as well as by credit card following the instructions provided in the information notice at the link <http://www.unimore.it/ammissione/tasse.html>

Payment of the first instalment is received by the ESSE3 University system after the bank transfers it. The payment transfer from the Bank to the University may require even 3 or 4 days. The transfer is immediate only for payments by credit card.

Candidates are responsible for checking that their payment has been entered in the tax section of their personal ESSE3 page.

If the payment transfer does not appear in ESSE3 by **27 September 2018**, candidates shall send the payment receipt to the University by email to segrstud.ingegneria@unimore.it or fax to 059/2055648 by **1 October 2018**.

ATTENTION

Please note that the PAYMENT DATE sent by the bank receiving the payment applies. With regard to MAV slips paid on the due date via Internet banking or debit card or phone bank, the payment execution may not be guaranteed on the same day.

Students should check the terms and times of service of their home banking: many banks do not execute payments after opening hours, and the transaction is taken over by the bank but accounted for the following day.

- d) Candidates who are entitled to enrol but do not complete the above procedure by the set deadlines will be deemed to have withdrawn. Vacant places will be made available for suitable candidates and assigned according to the ranking order.

2) STUDENTS WITH A FOREIGN STUDY QUALIFICATION

Candidates will be able to enrol from the day when the ranking is published and until **1pm of 20/09/2018**. Students shall **go in person** to the Registrar's Office located in Modena at the address via G. Campi 213/B. Opening times are available at the link <http://www.unimore.it/servizistudenti/segreteriastudenti.html>

Candidates need to go in person and bring the following documents:

- Copy of the declaration of value of the university degree, issued by the Embassy/Consulate;
- Copy of the degree certificate, issued by the University in which the degree was obtained, with relevant translation and legalisation (it is also accepted in English);
- Copy of the residence permit (for non-EU students residing in Italy)
- Double-sided copy of a valid ID
- Passport photo.

The Registrar's Office, after verifying the correctness and completeness of the documents submitted by the student, will issue the tax slips and confirm the enrolment once the enrolling student has paid the first fee instalment, not later than **1pm of 20/09/2018**.

9. ASSIGNMENT OF VACANT PLACES

The places that are still available after the enrolment operations will be communicated only in a notice published on the University website <http://www.unimore.it/bandi/StuLau-Avvisi.html> on 4 October 2018. Such places will be assigned to the candidates in the ranking list for that specific course, on top of the available places, based on the merit ranking criteria.

The new ranking of admitted students will be published on the same day, drawn up based on the criteria listed above; students entitled to enrol will be able to complete the enrolment by following the procedures described in point 8 by **1pm of 11 October 2018**.

Candidates who have already enrolled in the 6th, 5th, 4th, 3rd and 2nd choice course and are assigned a place of a higher preference will be automatically moved to said course and leave their original place vacant. This assignment procedure of places will be repeated also in further ranking movements.

As the order of preference of the study programmes indicated in the selection application is binding, the transfer made by office rules after the assignment of a higher preference place is irrevocable.

If there are still places available, the ranking will be drawn up again according to the schedule indicated in the table below:

Notice for vacant places	16 October 2018
Publication of the list of admitted candidates after the 2nd ranking move	18 October 2018
Enrolment of admitted candidates after the publication of the 2nd ranking move	from 18 to 24 October 2018
Notice for vacant places	29 October 2018
Publication of the list of admitted candidates after the 3rd ranking move	5 November 2018
Enrolment of admitted candidates after the publication of the 3rd ranking move	from 5 to 9 November 2018

If there are still vacant places after the enrolment procedures of the 3rd ranking move, a notice will be published at the link <http://www.unimore.it/bandi/StuLau-Avvisi.html> with the schedule of further moves, to be carried out following the same procedures and rules of the previous moves.

The ranking move shall be completed by 21 December 2018.

10. TRANSFERS FROM OTHER UNIMORE PROGRAMMES - TRANSFERS FROM OTHER UNIVERSITIES AND REQUESTS FOR THE RECOGNITION OF EDUCATIONAL ACTIVITIES

- a) Admitted candidates who are already enrolled in another programme at the University of Modena and Reggio Emilia must submit an application for requesting the **transfer from another programme** at the Registrar's Office of their home university **by the enrolment deadline**. Then they must submit a statement confirming the request from transfer from another programme to the Registrar's Office of the "Enzo Ferrari" Department of Engineering (or send a fax to 059/2055648) by using a form that is available at the link <http://www.unimore.it/servizistudenti/modulistica.html> .

Students failing to comply with the above-mentioned obligations will be tacitly deemed to have withdrawn, regardless of their reasons for the delay, and will lose their position in the ranking and their right to enrol.

- b) Admitted candidates who are enrolled in another study programme of another university:

* if they want to be transferred to another programme, they must submit a transfer request at their home university. If their home University requests a transfer approval, students may contact the Registrar's Office of the "Enzo Ferrari" Department of Engineering and ask for such approval to be issued. Then they shall fill out an online enrolment application by selecting "Enrolment for transf. from another Un." and pay the first university fee and contribution instalment by the enrolment deadline provided for in this call for applications, following the procedure already described in point 8. When filling out the enrolment application in Esse3, students will have to attach the "Enrolment for transf. from another Un." form, available at the link <http://www.unimore.it/servizistudenti/modulistica.html> .

* if they want to withdraw from the programme, they must submit a relevant request at their home university. Then they shall fill out an online enrolment application by selecting "Withdrawal" and pay the first university fee and contribution instalment by the enrolment deadline provided for in this call for applications, following the procedure already described in point 8.

Students failing to comply with the above-mentioned obligations will be tacitly deemed to have withdrawn, regardless of their reasons for the delay, and will lose their position in the ranking and their right to enrol.

- c) Admitted candidates who do not move from another programme or do not make a transfer from another university, but are requesting the validation of their previous university educational activities must enrol (fill out an online enrolment application by selecting “Recognition of previous studies”) and pay the first university fee and contribution instalment by the enrolment deadline provided for in this call for applications, following the procedure already described in point 8. When filling out the enrolment application in Esse3, students will be able to attach the “Recognition of educational activities” form, available at the link <http://www.unimore.it/servizistudenti/modulistica.html>, along with the documents they need to validate.
- Alternatively, they may submit the above-mentioned documents to the Registrar's Office.

11. COSTS AND ALLOWANCES

The payment of university fees is calculated based on the ISEE 2018 (Indicator of the Equivalent Financial Situation) certifying the economic situation of the student's household. Up to the ISEE threshold of € 23,000 euros, the NO TAX AREA rule applies, i.e. the payment of 159.05 euros (made of stamp duty and regional tax). Above that threshold, university fees are calculated on a progressive basis. For the calculation of the university fees based on the student's economic situation, an online application shall be submitted by the deadlines set in the relevant call for applications. Students failing to submit the online application by the set deadlines or whose ISEE statement is higher than the threshold indicated in the call for applications will not benefit from a reduction of university fees.

The online application for determining the university fees, as well as the application for the scholarship, accommodation in university residences, hospitality services and other allowances, shall be submitted online from the website www.er-go.it strictly by the deadlines set in the **Allowance Call for Applications**, even before the enrolment in the study programme. The Call for Applications will be published around mid July 2018. Students are invited to pay attention to the various deadlines. For further information and to check any update on the academic year 2018/19, please visit the website <http://www.unimore.it/ammissione/tasse.html>

12. 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.

13. OFFICES AND REFERENCE LINKS

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 at the link:

<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 for admission 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

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