



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

TECHNOLOGIES AREA
“Enzo Ferrari” Department of Engineering

CALL FOR APPLICATIONS for admission to the Inter-University
International Master’s Degree Programme in

ADVANCED AUTOMOTIVE ENGINEERING

(Class LM-33)

run jointly with the universities of Bologna, Ferrara and Parma

with the support of:

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

**RESERVED FOR ITALIAN, EU AND FOREIGN NATIONALS
RESIDING REGULARLY IN ITALY**

Academic year 2017/2018

The Programme is delivered entirely in the English language

1. SUBJECT

At the University of Modena and Reggio Emilia, from 24/05/2017 to 28/07/2017 you may complete your application on-line for the Master’s Degree Programme in Advanced Automotive Engineering; the programme has six curricula:

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

108 places are available (eighteen for each curriculum), reserved for Italian, EU and foreign nationals residing regularly in Italy.
 The curricula are run at the universities of Bologna (BO), Modena and Reggio Emilia (MO) and Parma (PR), as shown in the figure below (Figure 1):

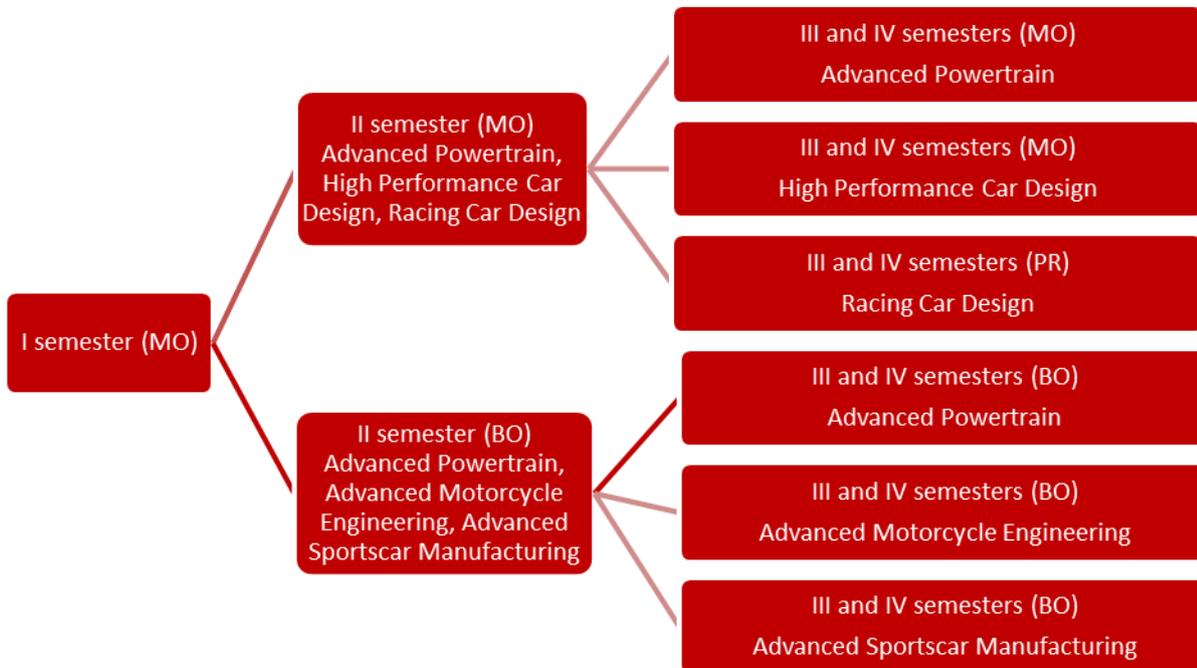


Figure 1: division of curricula in the universities of Bologna (BO), Modena and Reggio Emilia (MO), Parma (PR).

If the places available to foreign and international students requiring an entry visa to Italy are not filled, they will be made available to Italian, EU and foreign nationals residing regularly in Italy.

The degree programme coordinator is Prof. Francesco Leali

2. ADMISSION REQUIREMENTS

Admission to the Master's Degree Programme is subject to:

- **The possession of one of the following qualifications:**
 - Bachelor's Degree;
 - Three-year university diploma;
 - Master's Degree (Specialistica/Magistrale) under Italian Ministerial Decree DM 509/1999 or DM 270/2004;
 - Five-year university degree (prior to DM 509/1999)

with a minimum score of 95/110 or in any case not less than 86% of the maximum score available, for qualifications obtained abroad and deemed to be equivalent.

Applicants shall also demonstrate suitable knowledge and command of the general scientific methods and contents of basic sciences (Mathematics, computing, statistics, physics and chemistry), as well as the basic engineering subjects in preparation for the core subjects of this degree programme.

For applicants with an Italian qualification, the curricular requirements for admission are met by students having obtained at least ECTS in the subject areas (SSD) indicated in Table 1 below, respecting the minimum number set in Table 2.

TABLE 1 List of SSD in which at least 85 ECTS must have been obtained
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 numbers of ECTS obtained in the relative subject groups SSD GROUPS Minimum ECTS	Minimum University Learning Credits (ECTS)
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** to an appropriate level for using texts and following lessons and seminars in this language, **equivalent to at least level B2 of the Common European Framework of Reference** documented as follows:

- Certificates as shown in the link:

http://www.clamore.unimore.it/downloads/page_attachments/0000/1203/tabella_certificazioni_febbraio_2017_inglese.pdf;

- University exams in English with contents equivalent to B2, documented by a statement of the certifying university;

- Origin from an English mother tongue country (foreign native English speakers are considered to be any foreign or Italian citizens who by family ties or linguistic experience have the ability to naturally express themselves in their native language).

The possession of curricular requirements required for admission will be assessed by an Admissions Board, which will analyse the submitted study curricula.

3. APPLICATION

Applications must be submitted exclusively on-line between 24 May 2017 and 28 July 2017 (deadline 1 p.m. local time), by accessing the website <http://www.esse3.unimore.it>

The procedure involves:

- Register on the Esse3 website. You will be asked for your personal data - date and place of birth, residence, domicile, telephone number and e-mail address.
Once you have registered correctly, you will be provided with a user name and password (your personal credentials) required for the next steps.
The credentials will be send to your e-mail address.
- Log in and enter your credentials to access your personal page in Esse3.
- Select “Admissions” from the menu on the left and select the degree programme from the list.

Each applicant may submit only one application, and MUST indicate the order of preference among the following six curricula:

- 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, once finalised, MAY NOT be modified later.

You must provide the data concerning the required qualifications for admission and annex the following documents:

1. Certificate of the qualification obtained and degree score, with an indication of the exams passed and grades;
2. Detailed exam programmes: for each course unit, indicate the detailed programme for the exam passed;
3. Certification of the maximum degree score awarded by the foreign university the qualification was obtained from;
4. Language certification proving knowledge of English;

The above documentation must be annexed in either Italian or English.

IMPORTANT: only once the applicant has saved the data and explicitly confirmed the application by clicking on the field “explicit confirmation of validity of the application” will the application be considered effectively submitted. You will then be able to print your application.
Applicants will NOT be assessed by the Board unless the application has been explicitly confirmed.

If the annexed documents were wrongly or incompletely uploaded using the computerised procedure,

following the “explicit confirmation of validity of the application”, applicants may send an e-mail to segrstud.ingegneria@unimore.it enclosing a copy of a valid ID document, describing the problems encountered. If you have to re-open the application to modify or complete the enclosure of annexes, it is underlined that **the responsibility for closing the application definitively remains with the applicant, IF NOT the application will be rejected.**

A non-refundable fee of €55.00 must be paid when submitting the application: the fee must be paid using the specific form at any bank in Italy, also using the automatic tellers, phone or internet banking, or by credit card according to the instructions given in the information notice provided at the link <http://www.unimore.it/ammissione/tasse.html>. The payment must be made in the indicated methods **at any time prior to the entrance exam**. Specifically, payment is deemed to be made when the payment has been transferred and recorded by the bank prior to the entrance exam.

4. SUPPORT FOR APPLICANTS WITH DISABILITIES

a) Applicants with disabilities

Pursuant to Italian Law no. 104 of 5 February 1992 and amendments, applicants with disabilities who wish to apply for supports and/or compensatory measures for sitting the entrance tests must submit any appropriate medical certification and the specific application form, which can be found on the website www.asd.unimore.it, to the Disabled and Special Needs Student Support Office at least 15 days prior to the date set for the entrance exam.

b) Applicants with specific learning disorders (“DSA”)

Pursuant to Italian law no. 170 of 8 October 2010 and amendments, applicants with diagnosed specific learning disorders (DSA), as demonstrated by a certificate issued no earlier than 3 years previously by a national health facility or NHS-accredited specialist structure, who wish to request supports and/or compensatory measures for sitting the exam, are granted an additional time of 30 percent more than the time established for the exam and/or other compensatory and dispensative measures (art. 11 of Ministerial Decree no. 85 of 5 February 2014). For this purpose, a suitable clinical diagnosis and the specific application form, available on the website www.asd.unimore.it must be submitted to the Disabled and Special Needs Student Support Office at least 15 days prior to the date of the entrance exam.

Both groups of applicants must apply on the website www.esse3.unimore.it when completing the on-line admissions application form.

The request and the documents must be delivered to the Disabled and Special Needs Student Support Office at least 15 days prior to the entrance exam, in one of the following ways:

- delivered by hand during office opening hours (available at the link <http://www.unimore.it/servizistudenti/ufficiostud.html?ID=ASDM>);
- documents scanned and sent by e-mail to disabilita@unimore.it;
- by fax to no. 059 2058309;
- by registered letter with advice of receipt sent to the Disabled and Special Needs Student Support Office (Servizio Accoglienza Studenti Disabili e con DSA - strada Vignolese n.671 - 41125 MODENA).

The application may be completed when delivering the certificate of invalidity or clinical diagnosis of DSA to the Disabled and Special Needs Student Support Office.

Based on the documentation submitted, the Vice-Rector for Disabilities, in agreement with the Admissions Board, shall decide on the methods and any additional time granted for the entrance tests.

5. RESULTS OF THE ADMISSIONS APPLICATION ASSESSMENT

No later than 11/08/2017 the results of the assessment of the applications by the Admissions Board appointed by the “Enzo Ferrari” Engineering Department will be published on the web address <http://www.unimore.it/bandi/StuLau-Avvisi.html>

6. ENTRANCE EXAM AND SELECTION METHODS

The exam will be held on
MONDAY 4 SEPTEMBER 2017 at 11 a.m.
at the Policlinico di Modena – Largo del Pozzo n. 71 – Modena –
in the Teaching Services Centre classes at the University of Modena and Reggio Emilia and the the
Medicine and Surgery Faculty classrooms.

The actual distribution of the applicants in the different classes and the indication of the classes used will be published by 30 August 2017 on special notices affixed at the entrance to the Teaching Services Centre as well as on the web at the link <http://www.unimore.it/Bandi/StuLau-Avvisi.html>.

No personal communications will be given.

All applicants must exhibit a valid personal identity document at the entrance exam.
Students not in possession of an ID document on the day of the exam will not be permitted to sit the exam.

Applicants must be present at the rooms indicated no later than 8.30 a.m. The exam, held in the English language, lasts **180 minutes**, and starts at **11 a.m.** once the applicant identification operations have been completed.

The applicants must remain in the exam room until the end of the exam or in any case until all the exam materials have been returned, according to the procedures described in the instructions given prior to the start of the entrance exam.

The written test consists of **60 multiple choice questions** with five options, of which the applicant must indicate only one, rejecting any incorrect, arbitrary or less possible answers, and **2 open questions** on topics chosen from 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

For the 60 questions the following scores are allocated:

- 1.5 points for each correct answer;
- minus 0.4 (-0.4) point for each incorrect answer;
- 0 points for each unanswered question;

For the 2 open questions the following scores are allocated:

- maximum 15 points for each question

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

7. RANKING LIST

Divided by curriculum, the ranking list will be drafted considering the results of the entrance exam and the applicants' preferences expressed in the admission application, and will be published no later than 12/09/2017 on the website <http://www.unimore.it/bandi/StuLau-grad.html>.

This can be viewed by accessing the Esse3 computer system using the personal credentials issued.

The ranking list will be scored out of 120

*Each applicant will be included only in the ranking list for the curriculum **for which he/she expressed the top preference, among those in which he/she is well placed**, as well as in the ranking lists for the curricula for which he/she is not well placed but for which greater priority was indicated."*

Some examples are given below:

Example 1: the exam score places the applicant well only in the sixth listed curriculum: in this case he/she remains in any case in the fifth, fourth, third, second and first choice curriculum ranking lists, and may possibly be "re-allocated" a place (refer to point 9 "Allocation of empty places".

Example 2: the exam score places the applicant well only for registration to the third listed curriculum: in this case he/she remains in any case in the second and first ranking lists, and is cancelled from the fourth, fifth and sixth choice curriculum ranking lists.

Distinction based on ex aequo

In the case of equal score, the applicant with the higher degree score shall be given the higher place. In the event of equal scores in this case too, the younger applicant shall be given the higher place.

8. REGISTRATION OF APPLICANTS AWARDED A PLACE IN THE RANKING LIST

1) STUDENTS HOLDING AN ITALIAN QUALIFICATION

From the day of publication of the ranking list up to 3.00 p.m. on 18/09/2017, the applicants classified in the final ranking lists up to the maximum number of places available (winners) must use the web service by connecting to the website www.esse3.unimore.it in the section "registrations", according to the methods described in the "Guide to registration" which can be consulted at <http://www.unimore.it/ammissione/immaisc.html>.

The completion of the registration application and payment of the first instalment do not automatically imply registration to the programme.

After the offices in charge have checked the application, the registration is deemed to be confirmed only when you receive confirmation of registration by e-mail and by text message, within seven working days following receipt of payment.

Any errors during on line registration by the applicant will be reported to the e-mail address entered by the student during registration on ESSE3.

N.B.: Payments made after the deadline for registration will NOT be considered valid for the purpose of registration.

- a) Before starting the procedure, you must obtain digital copies of:
 - passport photo
 - Front and rear photocopy of a valid identification document
 - copy of your residence permit (non-EU students resident in Italy)

- b) Completion of the application for registration on line: with the User name and password given when registering on ESSE3 the applicant must access the reserved area of the website www.esse3.unimore.it in the section "Registration" to confirm the data entered when first submitting the application for admission.

- c) At the end of this procedure, print the application for registration and the form for payment of the 1st instalment of the university fees.
Payment must be made by **18 September 2017** at any bank in Italy, also using the automatic tellers, phone or internet banking, or by credit card according to the instructions given in the information notice provided at the link <http://www.unimore.it/ammissione/tasse.html>

Payment of the 1st instalment of the fees is recorded in the university system, called ESSE3, following the transfer of the payment by the bank. The transfer of payment from the bank to the university can take up to 3/4 days. Transfer is immediate only for payments by credit card.

Applicants must check that the payment has been recorded in their own personal page on ESSE3, in the fees section.

If the payment has not been recorded by **25 September 2017** the applicant must submit to the university the payment receipt, either by e-mail to segrstud.ingegneria@unimore.it or by fax to 059/2055648 no later than **25 September 2017**.

IMPORTANT

For the university, the date of PAYMENT sent by the bank at which the payment was made shall constitute proof of payment. For MAV payments paid on the same day as the deadline via internet banking or ATM or telephone banking, the transfer of the payment on the same day may not be guaranteed.

You are therefore invited to check the conditions and times in which your bank provides the home banking service; many banks do not effect payments after opening hours and the operation is accepted by the bank but accounted for on the following working day.

- d) Applicants who have the right to register but do not complete the aforementioned operations within the deadline will be deemed to have withdrawn. Any places made available by withdrawing applicants will be made available to other applicants in the next positions in the ranking list.

2) STUDENTS HOLDING A QUALIFICATION OBTAINED ABROAD

From the publication of the ranking list and **up to 3.00 p.m. on 18/09/2017** it is possible to proceed with registration. Students must go **in person** to the student administration office in via Campi 213/b, Modena.

The office opening hours are published at the link

<http://www.unimore.it/servizistudenti/segreteriestudenti.html>

You must go to the office with the following documentation:

- Copy of the declaration of value for your degree diploma, issued by the Embassy/Consulate;
- Copy of the degree certificate issued by the awarding institute, translated and legalised (it may be submitted in English);
- Copy of your residence permit (non-EU students resident in Italy)
- Front and rear photocopy of a valid identification document
- Passport photo.

Having checked that the documents delivered by the student are correct and complete, the student administration office will issue the fee payment slips and finalise the registration once the payment receipt for the 1st instalment of the fees has been produced, no later than **3.00 p.m. on 18/09/2017**.

9. ALLOCATION OF EMPTY PLACES

Any places still available having completed the registration will be notified exclusively on with university website <http://www.unimore.it/bandi/StuLau-Avvisi.html> on 2 October 2017. These places will be allocated to applicants positioned in the ranking list for the specific curriculum beyond the original places available, according to the criterion of order of merit.

On the same day, the new ranking list will be published showing those admitted to the programme, updated according to the above-described criteria; applicants entitled to register must do so by **1.00 p.m. on 6 October 2017** and complete the registration procedure in the methods described in point 8.

Applicants who **HAVE ALREADY REGISTERED** for a 6th, 5th, 4th, 3rd or 2nd choice curriculum who have however indicated a higher preference will automatically be transferred to the curriculum of their choice and the place in the previously allocated curriculum will be made available.

The places will be allocated in this way again, until all places have been allocated.

As the order of preference indicated in the application is binding, the automatic transfer to the selected curriculum after having been allocated another place is irrevocable.

If places are still available, the ranking lists will be updated, according to the timetable indicated in the following table:

Notice of empty places	13 October 2017
Publication of the list of applicants admitted following the second re-allocation of places	16 October 2017
Registration of students admitted following the publication of the second re-allocation of places	From 16 to 20 October 2017
Notice of empty places	27 October 2017
Publication of the list of applicants admitted following the third re-allocation of places	30 October 2017
Registration of students admitted following the publication of the third re-	from 30 October to 3

allocation of places	November 2017
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If having completed the registration procedures after the third re-allocation there are still free places, a notice will be published at the link <http://www.unimore.it/bandi/StuLau-Avvisi.html> giving the timetable for further re-allocations, which will be done in the same manner as the previous ones.

The final re-allocation of places in the ranking list will conclude definitively on 21 December 2017.

10. TRANSFERS FROM OTHER PROGRAMMES - TRANSFERS FROM OTHER UNIVERSITIES - APPLICATIONS FOR RECOGNITION OF PREVIOUS LEARNING ACTIVITIES

a) Applicants admitted to the programme who are already registered with another degree programme at the University of Modena and Reggio Emilia must submit a **transfer application** to their original student administration office **by the deadline for registration**. Subsequently they must submit the declaration of submission of the transfer application to the student administration office of the “Enzo Ferrari” Department of Engineering (or send it by fax to 059/2055648) using the form which can be downloaded at the link <http://www.unimore.it/servizistudenti/modulistica.html> .

Students who have not complied with this requirement shall automatically be considered to have withdrawn their application, whatever the reasons justifying the delay, and shall lose their place in the ranking list and the right to registration.

b) Applicants admitted who are registered with a degree programme at another University:

* if they intend to transfer, they must submit a transfer application to their university of origin. If the university of origin requests the issue of an approval for transfer, the students must contact the student administration office of the “Enzo Ferrari” Department of Engineering to request one. Subsequently they must complete the application for registration on line, selecting “Incoming transfer” and must pay the first instalment of the fees by the deadline indicated in this call for admission, following the procedure described in point 8. When completing the application for registration in Esse3, they must enclose the “Incoming transfer” form available at the link <http://www.unimore.it/servizistudenti/modulistica.html> .

* if they intend to withdraw from studies, they must present the relative application to their university of origin. Subsequently they must complete the application for registration on line, selecting “Withdrawal” and must pay the first instalment of the fees by the deadline indicated in this call for admission, following the procedure described in point 8.

Students who have not complied with this requirement shall automatically be considered to have withdrawn their application, whatever the reasons justifying the delay, and shall lose their place in the ranking list and the right to registration.

c) Applicants admitted who do not transfer from another degree programme or another university and who intend to apply for the recognition of learning activities undertaken in previous studies must register (completing the application for registration selecting “Shortened programme”) and must pay the first instalment of the fees by the deadline indicated in this call for admissions, following the procedure in two steps as described in point 8. When completing the application for registration in Esse3 they must enclose the “Recognition of learning activities” form available at the link <http://www.unimore.it/servizistudenti/modulistica.html> and the documentation for which they are requesting recognition.

Alternatively, hard copies of the documentation can be submitted to the student administration office.

Any recognition obtained for the above types of applications will lead to admission to year I of the programme, which is the only year active for academic year 2017/18. As regards the recognition of activities which are not included in this year of the programme, students may submit further requests in subsequent academic years.

11. COSTS AND FINANCIAL SUPPORT

The university fees are calculated on the basis of the "ISEE 2017" income certification, relating to the economic conditions of the student's family group. Up to the threshold of 23,000 EUR according to ISEE certification, there is a NO TAX AREA which requires the payment only of 156.00 EUR (stamp duty and regional tax). Beyond such threshold, the university fees are calculated progressively. To pay the university fees according to your economic conditions, you must submit an application on line by the deadline laid down in the specific call. Students not submitting the application on line by the deadlines or whose ISEE amount is higher than the maximum threshold laid down in the call shall not be entitled to a reduction of the university fees.

The on-line application to determine the university fees, along with the application for a study grant, a place in the halls of residence, catering services and other discounts, must be submitted on-line on the website www.er-go.it strictly no later than the deadline indicated in the **Call for applications for financial support**, also prior to registering for the degree programme. **The call for applications will be** published indicatively from mid-July 2017. Students are invited to check the various deadlines carefully. For more information and to check for updates for academic year 2017/18 please consult the website <http://www.unimore.it/ammissione/tasse.html>

The on-line application to determine the university fees, along with the application for a study grant, a place in the halls of residence, catering services and other discounts, must be submitted on-line on the website www.er-go.it strictly no later than the deadline indicated in the **Call for applications for financial support**, also prior to registering for the degree programme. **The call for applications will be** published indicatively from mid-July 2017. Students are invited to check the various deadlines carefully.

For more information and to check for updates for academic year 2017/18 please consult the website <http://www.unimore.it/ammissione/tasse.html>

12. PROCEDURE MANAGER

The Procedure Manager is Giuseppe Milano, head of Student Administration. The office in charge is the Student Administration office of the "E. Ferrari" Department of Engineering, Master's Degree Programme in ADVANCED AUTOMOTIVE ENGINEERING tel. 059/2055637; fax: 059/2055648, e-mail: segrstud.ingegneria@unimore.it.

13. OFFICES AND LINKS

For information on the degree programmes and registration procedure contact:

Informastudenti: e-mail: informastudenti@unimore.it

Modena:

- Via Università, 4 - ground floor tel. 059 205 8255

Via Campi 213/B ground floor tel. 059 205 8255 open from 5 June to 30 October 2017.

Reggio Emilia:

- Viale A. Allegri, 15 - ground floor - tel. 0522 52 355

For opening hours consult the link <http://www.orientamento.unimore.it/site/home/orientamento-allo-studio-e-tutorato.html>

For information on the call for admissions contact the Student Administration Office of the "E. Ferrari" Engineering Department, Via Campi 213/b 41125 - Modena tel. 059/2055640; fax: 059/2055648, e-mail: segrstud.ingegneria@unimore.it

For opening hours, consult the link <http://www.unimore.it/servizistudenti/segreteriestudenti.html>

For technical problems concerning your application or to recover your credentials for access to ESSE3 write to webhelp@unimore.it

The service is open from Monday to Thursday from 9.00 a.m. to 5 p.m. and Friday from 9.00 a.m. to 2.00 p.m.

For information on teaching (for example: study plan, course units, lesson timetables, teachers)

contact the Teaching Office at the “E. Ferrari” Department of Engineering, Via Pietro Vivarelli, 10 – 41125 - Modena www.ingmo.unimore.it. e-mail: tutor.dief@unimore.it.

Services for Disabled and Dyslexic Students

Tel. 059 2058311 - Fax 059 2058309 – e-mail: disabilita@unimore.it

On-line application for benefits and other financial support, write to servizi.studenti@unimore.it

Website for benefit applications www.er-go.it.

The Student Administration office and Informastudenti are closed to the public from 14 to 20 August 2017.