



Faculty of Engineering

EDITAL

MASTER PROGRAMM IN HYDROCARBON PROCESSING ENGINEERING Academic and vocational

The Faculty of Engineering of the University Eduardo Mondlane (FE-UEM) in partnership with SASOL Petroleum Temane Ltd. Declare open the applications for the 6nd edition of the Master's Degree in Hydrocarbon Processing Engineering.

Course Objective: Training technicians and researchers of high education degree capable of assuming a leading role in the conception of processes and products, and in the operation of hydrocarbon processing plants, thus adding value to the abundant primary energy resources in Mozambique, through its transformation into diverse products for national and international consumption.

ORGANIZATION OF THE COURSE AND STUDY PLAN

1. Lines of training and exit:
 - (i) Academic Master's Degree (total of 4 semesters and 120 credits) – The academic output involves the development of a research topic and the elaboration of a dissertation to be submitted and defended publicly. This component of the course will last for 1 year and will allow students to apply their knowledge while developing their capacity for research.
 - (ii) Professional Master's Degree (total of 3 semesters and 90 credits) - The vocational exiting involves the accomplishment of a professional internship, preferably in a hydrocarbon processing plant. The contact with reality will give students more robust practical skills. Alternatively, they should write a monograph based on a practical topic, over a period of 6 months.
 - (iii) For both training lines, students will attend the same set of subjects during the first year of training.
2. Curricular component of the course (1st year): 11 disciplines organized into four quarter blocks. Average weekly load of direct contact: 12 hours.

Students will gain solid and essential knowledge on Hydrocarbon Processing Technologies, Fundamentals of Chemical Engineering and Thermodynamics, Advanced Catalysis, Petrochemical Process Control and Instrumentation, and Laboratory Analytical Techniques.

Additional content on fundamentals of Project Management, Economics, Legislation, Environment and Society, will be taught to ensure an integrated training and prepare the post graduate students for an effective performance in the professional arena.

COURSE COMMENCEMENT AND LOCATION

- Abril 2023

ELIGIBILITY

Graduates holding a Bachelor's degree (Licenciatura) or equivalent in an Engineering area (preferably Chemical Engineering or Environmental Engineering) or Sciences (preferably Chemical Sciences) may apply for the Master's Degree in Hydrocarbon Processing Engineering.

A minimum undergraduate grade average of 14 (on the scale in use at UEM), or equivalent, is required of all applicants.

Exceptionally, candidates with an average grade of not less than 12 may be admitted, provided they have at least 3 years of professional experience in an area considered relevant to the intended course, in accordance with the Postgraduate Course Regulations in use at the UEM.

PROCEDURES FOR APPLICATION

- a) Application form, addressed to the Director of the Faculty of Engineering;
- b) Curriculum Vitae (CV) with supporting elements;
- c) Diploma of completion of the undergraduate degree or equivalent;
- d) University transcript (certificate of the disciplines made during the course of Licenciatura or equivalent, contain the respective classifications);
- e) Certificate proving the attribution of equivalences, if applicable;
- f) Authenticated photocopy of the identity card or passport;
- g) Proof of financial availability, if applicable;
- h) Two letters of recommendation from professors/researchers/specialists, with a Master's degree and/or PhD;
- i) Letter of authorization from the employer to continue studies, if applicable;
- j) Motivation letter.
- k) Duly completed application/registration form (FEUEM-PG-1 model available at the post-graduation office at FE-UEM or this Faculty's website).

Note: The requirement for the certificate referred to in (e) applies to candidates who obtain their degrees at foreign educational institutions.

Applications must be submitted up to 30 days after the first publication of this announcement. Those interested should deliver the required application documentation at the Post-Graduation Office of FE-UEM or send it through the electronic address: posgraduacao.fe@uem.mz

For the 7th Edition of the Master in Hydrocarbon Processing Engineering 25 vacancies are available. Only short-listed candidates will be contacted and invited for interview based on the evaluation of the documents mentioned in section: **Procedure for Application.**

REGISTRATION AND ENROLLMENT

The enrollment and registration period will be announced on the date of publication of the lists of admitted candidates. Additional documentation will be requested for the formalization of these acts.

FARES AND TUITION FEES

Applicants determined the course of Master of Hydrocarbon Processing Engineering are subject to the following payments:

- Annual subscription fee in the amount of 7.000,00 MT;
- Monthly tuition fee of 14.000,00 MT, payable for 10 months/year during the duration of the

ADDITIONAL INFORMATION AND CLARIFICATIONS

For more information about the course and the application process, interested parties can visit: www.engenharia.uem.mz or contact the post-graduation Office of FE-UEM, at the Campus of the Faculty of Engineering of UEM (Mozambique Avenue, km 1.5), Maputo.

Maputo, 17th October 2022

The Faculty Dean



Prof. Doutor Dinis Juízo, Eng.

(Associate Professor)