



NATIONAL TECHNICAL UNIVERSITY OF ATHENS

SCHOOL OF APPLIED MATHEMATICAL AND PHYSICAL SCIENCES

INTER-INSTITUTIONAL POSTGRADUATE STUDIES PROGRAM
MICROSYSTEMS AND NANODEVICES

CALL FOR APPLICATIONS FOR POSTGRADUATE STUDIES FOR THE ACADEMIC YEAR 2024-2025

The Schools of Applied Mathematical and Physical Sciences (coordinating), Electrical and Computer Engineering, Chemical Engineering, Mechanical Engineering, and Mining Engineering and Metallurgy of the National Technical University of Athens and the Institute of Nanoscience and Nanotechnology of the National Center for Scientific Research "Demokritos", the Institute of Theoretical and Physical Chemistry of NHRF and the Institute of Electronic Structure and Laser, FORTH offer the inter-institutional Program of Postgraduate Studies "Microsystems and Nanodevices" and call all those interested in attending the MSc Program, to submit their application by the 2nd of September 2024.

The MSc Program "Microsystems and Nanodevices" has been included in the internationalization project of NTUA postgraduate studies [the project "Support of internationalization actions of the postgraduate studies of the National Technical University of Athens" is co-financed by Greece and the European Union (European Social Fund) through the Operational Program "Human Resources Development, Education and Lifelong Learning"], with the aim to promote study opportunities for international students, along with research and educational activities at NTUA. In this context, the language of instruction will be English.

1. Graduates of the National Technical University of Athens and of other Engineering Schools, as well as candidates holding a degree in Natural and Technological Sciences, Mathematics, or related subjects, are eligible for enrolment in the program. The program is open to graduates of Greek Universities or equivalent foreign universities. Students who will have graduated by September 2024 are also eligible.

International students are welcomed and all candidates are considered on an individual basis. Starting in 2023, non-EU students must pay tuition fees of 500 Euros for each semester of studies.

2. The subject of this MSc Program is the science and the technology of natural and artificial systems at the micro- and nano-scale. More specifically, this program deals with the investigation of (a) structural characteristics, (b) properties, (c) methods of synthesis or development and (d) applications of such systems and devices. A wide diversity of systems are within the scope of the program, covering all kinds of materials, from inorganic systems to organic/polymeric and biological systems. Additionally, it provides a solid foundation in microelectronics technology, in line with the European CHIPS Act policy to support education and workforce development. More information about the MSc program can be found on the web-site of the program [Microsystems and Nanodevices \(ntua.gr\)](https://microsystems.ntua.gr).

3. For the selection of the postgraduate students (a maximum of thirty (30) students will be enrolled in the MCs program) the following criteria will be primarily considered:

- final grade of the Diploma degree,



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- rank in the year of graduation
- grades in semester courses of undergraduate studies that are relevant to the current MSc program
- grade of Diploma Thesis, if it is applicable
- very good knowledge of the English language (B2/C1/C2 level)
- recommendation letters
- the academic attitude in general, and
- personal interview

Candidates may be invited for an interview immediately after the expiration of the period for the submission of the applications. The schedule of interviews will be announced on the web-sites of the program and of the School of Applied Mathematical and Physical Sciences (www.semfe.gr, in Announcements for postgraduate studies). Applications of international students will be considered shortly after their submission.

Interested candidates are invited to submit their application electronically at pgradsemfe@mail.ntua.gr (secretariat of the school of Applied Mathematical and Physical Sciences) using the following phrase as subject of their e-mail message: "Candidate application for the MSc "MINA", by **Monday, September 2nd 2024** by sending the following documents:

1. Application (downloadable from http://www.physics.ntua.gr/gr/micronano/Potential_applicants_Call.htm)
2. Copy of Degrees. For graduates of non-Greek universities, a certificate of the university qualification equivalency is required. (Required level of qualification: level 6 or 7 of the National and European Qualifications Framework)
3. Copy of transcripts of grades from universities attended.
4. Certificates of English language (level B2/C1/C2). Holders of an undergraduate or postgraduate degree from a foreign University where instruction is in English are exempt from this obligation.
5. Curriculum Vitae in English.
6. Two Letters of Recommendation. Candidates should request that they be sent directly to pgradsemfe@mail.ntua.gr with the following subject of the email: "Recommendation Letter for the MSc "MINA"".
7. Copy of ID or Passport.

In parallel, the candidates **shall send the filled application form (only) as attached file also to the Director of the MSc program** at the email address akyrits@central.ntua.gr.

More information

On the web-site of the Program <http://www.physics.ntua.gr/gr/micronano/index.htm> or from the Director of the program, Prof. A. Kyritsis (akyrits@central.ntua.gr).

Athens, June 2024
The MSc Program Director
A. Kyritsis
Professor NTUA



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