



UNIVERSITY OF CRETE

- School of Medicine
- Dept. of Mathematics and Applied Mathematics
- Dept. of Materials Science and Engineering



**FOUNDATION FOR RESEARCH
AND TECHNOLOGY**

**INTER-INSTITUTIONAL POSTGRADUATE PROGRAM
«CUTTING EDGE TECHNOLOGIES IN VISION SCIENCES»**

CALL FOR APPLICATIONS

ACADEMIC YEAR 2026-2027

The School of Medicine, the Departments of Mathematics and Applied Mathematics, Materials Science and Engineering of the University of Crete and the Foundation for Research and Technology - Hellas (FORTH), announce that applications for the Inter-institutional Postgraduate Program “Cutting Edge Technologies in Vision Sciences” for the academic year 2026-2027, are now open. The Program leads to a Master of Science (MSc) degree in "Cutting Edge Technologies in Vision Sciences". The School of Medicine provides administrative support for the Program.

Through its collaboration with the Institute of Applied and Computational Mathematics and the Institute of Electronic Structure and Laser of the Foundation for Research and Technology - Hellas (FORTH), as well as with the University Ophthalmology Clinic of P.A.G.N.I., the Program aims to train highly qualified professionals in cutting-edge technologies in an interdisciplinary field that includes medicine, optical physics, neurosciences, mathematics, optometry, materials science, pharmacology, chemistry and biotechnology.

The aim of the Program is to prepare graduates for careers in hospitals, medical centers, private companies engaged in the design, development or maintenance of vision science devices, as well as for research positions in universities and research centers.

Tuition Fees

For students coming from a country inside the European Economic Area (EEA), the total amount of tuition fees is 2.200 euros.

For students coming from a country outside the European Economic Area (EEA), the total amount of tuition fees is 5.000 euros.

Learning Outcomes/Qualifications acquired from the successful attendance of the Program

The Program will train graduates in cutting-edge technologies of Visual Sciences through characteristic examples that illuminate the interdisciplinary character of this field. Graduates of the Program will acquire sufficient knowledge in a wide range of sciences (such as anatomy and physiology of vision, visual physics, physiological optics, mathematics, biology, chemistry) that will allow them to understand and deepen the new technologies of Vision regardless of the subject of their basic education.

Graduates will acquire theoretical knowledge and skills with emphasis on the interdisciplinary approach of cutting-edge technologies of Vision. An important contribution to this direction will be made by the interdisciplinary modules, each of which will concern a characteristic cutting-edge topic and will be organized by two or more of the collaborating departments/bodies.

In this way, graduates of the Program will be prepared for:

- Postgraduate studies at doctoral level.
- Successful careers in research institutions and in the productive sector.
- Promotion of modern research in the rapidly evolving field of Technologies in Visual Sciences.
- Teaching in high-level seminars related to the subject of the Program.
- Careers in Ophthalmology Clinics and Clinics in the Public and Private sector.
- Careers in Laboratories and Companies active in the field of Vision Technology.
- Employment in similar positions that require a high level of knowledge and skills in the subject of the Program (research centers, biotechnology laboratories, digital medicine applications, ministries and other public health services, etc.).

The curriculum consists of two semesters of compulsory courses, one semester of interdisciplinary modules and one semester of an MSc research-based thesis (120 ECTS).

Attendance is mandatory and requires the physical presence of the students. The language of instruction is English.

The Program is addressed to graduates with officially recognized undergraduate degrees in science, engineering, health sciences and related subjects from Greece or from higher education institutions abroad.

Up to twenty-nine (29) students are accepted per year.

In addition to the number of admissions, up to four (4) candidates who have been awarded postgraduate scholarships by states, state scholarship institutions, international organizations, international programs, etc., may be admitted to the Program, provided that they meet the necessary requirements.

The minimum number of students admitted to the Program each year is five (5).

Application Documents for Submission:

Applicants are invited to first create a user account at: <https://postgrad.cict.uoc.gr> and then to upload the following:

1. Certified copy of the BSc degree
2. Diploma Supplement
The BSc degree and the Diploma Supplement shall be written either in Greek (provided that they are issued by a Greek University) or officially issued or officially translated in English.
If the candidate's awarding foreign Higher Education Institution does not provide a Diploma Supplement, a final Transcript of Courses can be submitted.
3. Certificate of English language proficiency at least at the B2 level according to the Common European Framework of Reference for Languages. If the candidate's degree(s) have been obtained from an educational institution in an English-speaking country or from an English-speaking curriculum, no language certificates are required.
4. List of publications or scientific papers (if any),
5. Two (2) letters of recommendation
6. One recent passport-size photograph

For the scanned documents and files:

Only **pdf** files can be uploaded

Maximum size of each file = 2MB

Total Maximum Size = 20 MB

For the Photo:

Acceptable file format: .png, .jpeg

Maximum size = 2MB

Dimensions: 200px x 200px

For the Recommendation Letters:

For each suggested referee the candidates should state in their application the following:

- a) the e-mail address of the institution to which the referee belongs/works
- b) the status and complete contact details of the referee

After the candidates' successful submission of their application, the applications platform will send an invitation message to the suggested referees, who will have two options to submit their recommendation letter :

- a) Through the Program's electronic applications platform.
- b) By sending their letters by email, directly to: cetvs@med.uoc.gr with the subject: "Recommendation Letter for the applicant of the Postgraduate Program "Cutting Edge Technologies in Vision Sciences" , Mr./Mrs./Ms. " ,

In both cases the letters must be submitted by **the 6th of July 2026 (11:59 pm – Athens time)**

Criteria for Admission - Application Requirements:

Candidates will be selected on the basis of the following criteria: 1) graduation grade, 2) grades in undergraduate courses related to the subject of the program, 3) performance in the dissertation, if required at the undergraduate level, 4) any research activity of the candidate, 5) evaluation of letters of recommendation, 6) adequate knowledge of English at least at the B2 level according to the Common European Framework of Reference for Languages, and 7) performance in the personal interview.

Indicative Timetable:

1. Deadline for applications: **2 July 2026 (11:59 pm – Athens time)**
2. Deadline for the recommendation letters: **6 July 2026 (11:59 pm – Athens time)**
3. Interviews: **16 July 2026**

In case of a large number of applicants, interviews will also take place on a second date. The secretary of the Program will send an email to the candidates with further information about the interviews.

4. Announcement of the initial list of successful candidates and possible runners-up: **18 July 2026**
5. Announcement of the final list of successful candidates and possible runners-up: **27 July 2026**
6. Registrations: **September-October 2026**
7. Courses start: **October 2026**

INFORMATION

Program's Secretariat: Jenny Dokoumetzidi
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