



## SCHOOL OF ENGINEERING

### CALL FOR DOCTORATE APPLICATIONS FOR THE ACADEMIC YEAR 2025-2026

The School of Engineering invites applications for its PhD Program in Electrical, Computer Engineering and Informatics for the Academic Year 2025-2026.

#### **PhD Program in Electrical, Computer Engineering and Informatics**

All positions fall within the broad field of **Electrical, Computer Engineering and Informatics - related disciplines** in multi-disciplinary areas, including the following domains:

Num.	Domain
1.	Energy management
2.	Energy prediction using machine learning
3.	Data Breach Detection Techniques and Mechanisms (honeypots, decoys, honeypots, etc.)
4.	Security and Privacy Attacks on Machine Learning Models (membership inference, model inversion, adversarial/evasion attacks, etc.)
5.	Static and Dynamic Binary Analysis for Vulnerability Exploitation and Defense (mixed binaries exploitation, exploitation of memory-safe compiled binaries (Rust), etc.)
6.	Modelling of Photonic Devices and Systems
7.	KA-Band reflectionless filters
8.	SIW Technology for W-Band RF Components
9.	Improving Single Frequency Ionospheric Correction Algorithm for Galileo
10.	Atmospheric remote sensing
11.	Reconfigurable Antennas and Filters
12.	Intelligent metasurfaces - Hardware approach
13.	Mobile Robotic Systems

14.	Marine Robotic Systems
15.	Intelligent Systems
16.	Adaptive sampling methods for embedded systems and IoT
17.	Hardware implementation of Machine Learning Algorithms
18.	Embedded system/IoT design for precision agriculture
19.	Quantum Computing
20.	Optimising DG through EV
21.	Big Data Analytics
22.	Computer Vision
23.	Large Language Model for Image Recognition
24.	Algorithms and Computational Intelligence
25.	Human Figure Animation
26.	Motion Control
27.	Articulated Anthropomorphic Figures.
28.	Pervatic Computing
29.	Large Language Model for Image Recognition
30.	VR/AR
31.	High Performance Heterogeneous Architectures
32.	Smart Heterogeneous Systems
33.	Smart Health and Biomedical Systems

#### **Doctoral Program Director:**

Professor Michael Komodromos, Email: [m.komodromos@frederick.ac.cy](mailto:m.komodromos@frederick.ac.cy)

Professor Costas Kyriacou, Email: [eng.kc@frederick.ac.cy](mailto:eng.kc@frederick.ac.cy)

Professor Christos Themistos, Email: [c.themistos@frederick.ac.cy](mailto:c.themistos@frederick.ac.cy)

***Deadline for submission of applications: Monday 15<sup>th</sup> September 2025***

#### **Admissions Requirements**

Eligible applicants must hold a Bachelor's degree in any scientific discipline (such as, Business Administration, Accounting, Finance, Economics, Maritime, Engineering, Law, Life Sciences, Social Sciences), obtained from an institution recognized in the country where it operates. A Master's degree relevant to the proposed research area of PhD studies is also required. Applicants who do not hold a relevant Master's degree may be also considered under special circumstances.

The PhD Program is based on the European Credit Transfer and Accumulation System (ECTS). The award of the PhD degree requires the completion of 180 ECTS.

All candidates must have a very good knowledge of the English language.

For more information visit the University's web site ([HERE](#)).

## **Applications**

Each application for admission must include:

- **A completed Application Form, available online ([HERE](#)).**
- **An up-to-date Curriculum Vitae.**
- **A Personal Statement (1-2 pages)**, outlining the candidate's professional and research interests and future plans, their suitability to the PhD program and the reasons for applying.
- **A Preliminary Research Proposal (approximately 1500 words)**, briefly describing the proposed area in which the candidate is interested in conducting research.
- **Certified copies of all relevant Degrees and Transcripts.**
- **Copies of any other supporting material, such as, exams, awards, etc.**
- **Two (2) Letters of Recommendation**, at least one from an academic referee
- **Proof of English Language proficiency**, such as, TOEFL, IELTS, IGCSE, Cambridge Certificate of Proficiency in English or any other equivalent language examination. Candidates, who have completed an undergraduate or graduate program where the language of instruction was English, satisfy the proof of English language proficiency requirement.

All application material must be submitted in English.

Candidates who meet all the admissions criteria may be invited for an interview.

## **Tuition Fees**

Tuition fees and program-specific scholarships are published on the Frederick University website ([HERE](#)). Further special tuition waiver leading up to 90% tuition funding may be available.

For more **information**, please contact:

- The Admissions Office, Frederick University, **Nicosia**: Tel. +357 22394394, **Limassol**: Tel. +357 25730975 (ext. 41119/ 41120/ 41121),  
E-mail: [admissions@frederick.ac.cy](mailto:admissions@frederick.ac.cy)

