HiSCoTS Postgraduate School

Vision and Mission

The HiSCoTS Postgraduate School is committed to fostering excellence in advanced education, cutting-edge research, and innovation. Our mission is to:
- Ensure the highest quality standards in postgraduate education.
- Strengthen international recognition and visibility of our degrees.
- Promote synergy between education, sustainable development, and scientific research.
- Develop future leaders capable of addressing global challenges in science, technology, and society.

Programmes Offered

1. Master's Degrees (2 years)

HiSCoTS offers **thirteen interdisciplinary and specialized Master programmes** designed to equip students with advanced knowledge and practical expertise. Each programme spans two academic years (four semesters), including coursework and a research-based thesis.
Available Master Programmes :
- Aeronautics
- Computer Engineering
- Computer Networking
- Computer Science & Digitalization
- Cybersecurity
- Data Science
- Game Design & Development
- ICT for Development
- Information Systems
- Management Sciences
- Multimedia Arts
- Robotics
- Software Engineering
- Virtual & Augmented Reality
- Management Sciences

Key Features:
- Competitive admission process.
- Industry and academic experts invited as guest lecturers.
- Thesis work aligned with cutting-edge research and industry applications.
- Strong focus on innovation, entrepreneurship, and employability.

2. Doctoral Degrees (3–6 years)

HiSCoTS doctoral programmes are designed to ensure original, significant contributions to science and technology. Doctoral candidates engage in rigorous coursework and supervised research, culminating in a defended dissertation.
Doctoral Highlights :
- Research designed and coordinated within specialized laboratories.
- Thesis committees composed of distinguished professors from HiSCoTS and partner institutions.

- Minimum duration: 3 years and Maximum: 6 years.
- Doctoral candidates benefit from strong mentorship and international collaborations.

Entry Requirements

Applicants for HiSCoTS postgraduate programmes must submit:
- Completed application form.
- Official diplomas/degrees and transcripts.
- Curriculum Vitae (including academic, professional, and research achievements).
- Statement of purpose outlining research interests and motivation.
- Two recommendation letters from recognized professors or professionals.

Tuition Fee: 2,500,000 CFA per year for PhD students and 1,500,00 CFA for Master students.

Thesis Supervision: Each student is assigned to a dedicated academic advisor.

Governance and Leadership

The academic quality and administration of programmes are overseen by the **Academic Board** (5 members), supported by specialised laboratories and leading faculty members.
Leadership Team :
- **President**: ATSA ETOUNDI Roger, Full Professor
- **Chief Academic Officer**: AWONO ONANA, Full Professor
- **Laboratory of Technology**: ABESSOLO ALO'O Ghislain, Associate Professor
- **Laboratory of Engineering**: ADO ADAMOU ABBA ARI, Associate Professor
- **Laboratory of Artificial Intelligence**: MELATEGIA YONTA Paulin, Associate Professor
- **Laboratory of Information Systems**: KENLIFACK Marcellin Julius, Full Professor

Supervision Team (*Each supervisor may oversee a maximum of five doctoral candidates simultaneously. Co-supervision is counted as half of a full supervision*):
- ABESSOLO ALO'O Ghislain, Associate Professor, HiSCoTS, Cameroon
- ADO ADAMOU ABBA ARI, Associate Professor, Cameroon
- ANABA EBANDA Valéry, Associate Professor, UYII, Cameroon
- ATSA ETOUNDI Roger, Full Professor, HiSCoTS, Cameroon
- AVOM Desire, Full professor, UYII, Cameroon
- AWONO ONANA, Full Professor, HiSCoTS, Cameroon
- DJAM Xaveria, Senior lecturer, UYI, Cameroon
- EBOT EBOT Enaw, Associate Professor, HiSCoTS, Cameroon
- FOSSO Pauline, Full Professor, HiSCoTS, Cameroon
- FOSSO WAMBA Samuel, Full Professor, TBS Education, Toulouse, France
- FOUDA NDJODO Marcel, Full Professor, UYI, Cameroon
- KENLIFACK Marcellin Julius, Full Professor, UDs, Cameroon
- Khouloud BOUKADI, Associate Professor, University of Sfax, Tunisia
- MELATEGIA YONTA Paulin, Associate Professor, UYI, Cameroon
- Nabila LABRAOUI, Full Professor, University of Abu Bekr Belkaid Tlemcen, Algeria
- ROBERT DAVISON, Full Professor, City University, HK
- SAADOUN Melissa, Full Professor, Universités Paris II Assas, d'Angers, France
- Song Jacques Simon, Associate Professor, UEb, Cameroon
- SOP SOP Maturin, Associate professor, UEb, Cameroon
- Zibouda ALIOUAT, Full Professor, Universitély of Ferhat Abbas Setif 1, Algeria

Competitive Advantage of HiSCoTS Postgraduate School

- Strong international orientation and partnerships.
- Integration of research, innovation, and sustainable development.
- Highly competitive and specialized programmes tailored to global market needs.
- Experienced faculty combining academic excellence and industry expertise.
- Supportive ecosystem for innovation, entrepreneurship, and applied research.

Doctoral Program Structure

The doctoral program is structured around **two main phases**: **Phase I (Coursework)** and **Phase II (Dissertation)**. This framework ensures that doctoral candidates acquire solid theoretical, methodological, and ethical foundations before engaging in independent research that contributes significantly to both academic knowledge and societal impact.

Phase I: Coursework

During this stage, doctoral students are trained in advanced research methodologies, academic writing, and integrity in research. Candidates are required to successfully complete the courses listed below and maintain a **minimum overall average of 13/20.**
Core Courses :
1. **Introduction to Research and Academic Integrity** – ethical principles, research responsibilities, and best practices in academic research.
2. **Qualitative Research Methods** – design, data collection, and interpretive analysis of qualitative research.
3. **Structural Equation Modeling (PLS-SEM approach)** – advanced techniques for causal and analytical modeling.
4. **Quantitative Research Methods in Management** – applied statistics, survey design, and experimentation.
5. **Data Analysis and Artificial Intelligence Applications** – use of AI and advanced algorithms in big data analytics.
6. **Academic Writing Workshops** – developing skills for scholarly writing and publishing in top-tier journals.
7. **Doctoral Proposal and Defense** – preparation and public defense of the doctoral research project before an academic committee.

Additionally, **cross-disciplinary seminars** (on innovation, interdisciplinary research, guest lectures, and scientific dissemination) are offered to broaden students' perspectives and foster creativity.

Phase II: Dissertation

The Dissertation Proposal
Before embarking on full-scale research, each student prepares a **doctoral proposal** to be publicly defended. The proposal must include:
- The research problem and hypotheses, where applicable.
- A focused and critical literature review.
- The proposed conceptual and/or analytical framework;
- The research methodology (design, sample, instruments, data collection and analysis techniques, and expected outcomes).

Writing the Dissertation
Once approved, the candidate proceeds with the research and writing process. Two formats are available:
1. **Traditional Dissertation** :

- o Typically, five to six chapters (introduction; theoretical and conceptual framework; methodology; presentation and analysis of results; discussion, conclusion, and future research directions).
- o Offers a comprehensive and structured development of doctoral research.

2. **Article-based Dissertation** :
    - o Comprises **three articles** published, submitted, or ready for submission to peer-reviewed academic journals.
    - o Each article must present an original contribution while demonstrating overall coherence across the dissertation.
    - o The candidate must be the **first or sole author** of all three articles.
    - o A general introduction and conclusion tie together the articles into a unified body of work.

Dissertation Defense

The doctoral journey culminates in a **public defense** before an international jury of experts, following university regulations. The defense demonstrates the candidate's ability to advance knowledge and position themselves as an independent researcher.