



UPH Universitas
Pelita
Harapan

**#BEYOND
ACADEMICS**

DISCOVER YOUR PASSION



**FACULTY OF
INFORMATION
TECHNOLOGY**

Undergraduate
Program
2025

DISCOVER YOUR PASSION IN THE FUTURES

Welcome to the Faculty of Information Technology at UPH, where we shape the next generation of tech leaders. With over 30 years of experience, our programs focus on real-world challenges, not just textbooks. Whether you're into Artificial Intelligence, Cybersecurity, Digital Tech and Innovation, and Data Analytics, you'll dive into hands-on experiences through projects with global partners like Adobe and Siloam Hospitals. Plus, with flexible learning options like M-Flex and chances to earn international certifications, you'll be ready to tackle the ever-changing tech world confidently.

As a student here, you'll be part of a lively community where learning happens everywhere, not just in class. We have awesome student organizations and clubs that help you explore your skills and interests. If you're studying Informatics, you can join HMIF and get involved with I-Club groups like Safety Goose (for Cybersecurity), Full Stack Developer (for Programming), Mind Craft (for AI), and more. Information Systems students have HMPSSI and IS Club activities to participate in, like the IoT Club, Podcast Multimedia Club, and IS Sports Club. It's the perfect spot to connect, create, and collaborate while getting ready for a fulfilling career in tech.



Faculty of Information Technology

At UPH's Faculty of Information Technology, students in AI and Cognitive Computing major don't just learn about Artificial Intelligent concept, they build it! They tackle real-world projects, such as creating an NLP tool to help businesses understand customer sentiment, and they gain recognition from industry professionals. Cybersecurity students run live threat simulations, while those in Digital Technology and Innovation create AR and VR experiences and even start their own companies. And students in Applied AI and Data Analytics help fuel the smart, personalized content we see online. Whatever your passion, UPH is where tech dreams come to life.

"The curriculum at UPH is current, with skilled lecturers ensuring relevance to technology. My studies in web and mobile development provided practical experience through coursework. The knowledge gained has been invaluable for workplace challenges. I highly recommend the Bachelor of Informatics Program at UPH for anyone seeking to advance in computer science."

Jessica Sean Informatics 2015

Senior Software Engineer (Android) at Grab Singapore

What sets UPH apart is how it connects theory and practice. With over 13 professional certifications and a curriculum aligned with APTIKOM and ACM standards, we're on track to become future-ready professionals. Classes are flexible yet structured, taught by field experts, and we collaborate with companies like Adobe and Alibaba Cloud.

30 Years of Experience and Expertise in Computer Science & Information technology

More than **13** Professional Certification Program Available

 **M-Flex**
Multi-Flexible Learning
Dynamic Learning Adaptability

Highly Employable Alumni, Getting Work
3 Within Months

More than **5** edX Courses, Flexible Independent Study




EXPLORE YOUR PASSION

Your journey goes beyond the classroom into an exciting student life! Whether you're studying Informatics or Information Systems, there's an incredible space for you to thrive.

In the Informatics program, join HMIF and dive into exciting I-Club activities, such as Safety Goose for cybersecurity, Full Stack Developer for coding, Mind Craft for AI exploration, Imagine for multimedia projects, and Informa FIT for fitness enthusiasts! For Information Systems students, HMPSSI offers vibrant communities and IS Club activities, including the IoT Club for innovative tech projects, the Multimedia Club for podcasting, and the IS Sports Club for those who enjoy staying active.

These clubs are more than just groups; they're where you turn your interests into impact, build leadership skills, and create unforgettable memories. Get ready for a fantastic experience at UPH!



UPH Students Community



STUDY EXPERIENCE

LV | MEDAN



DIGITAL TECHNOLOGY AND INNOVATION

DEGREE

Sarjana Komputer - S.Kom.

Digital Technology and Innovation Track is designed for students who aspire to become leaders in the digital world, those who are not just users of technology, but creators of it. The Digital Technology and Innovation track equips students with the skills to design, develop, and launch meaningful digital solutions that transform the way people live, work, and do business. Throughout the program, students will explore mobile and web application development, interface and experience design (UI/UX), the Internet of Things (IoT), and digital product strategy. More importantly, they will learn to think like innovators, combining creativity, technology, and business insight to build products people actually want and need. Students are challenged to solve real-world problems through project-based learning and are guided to take the role of digital product managers, startup founders, or innovation leads - individuals who understand the language of code and the mindset of business. Graduates of this track are well-prepared to lead digital transformation in tech companies, creative industries, startups, or even launch their own ventures.



APPLIED ARTIFICIAL INTELLIGENCE AND DATA ANALYTICS

DEGREE

Sarjana Komputer - S.Kom.

In the age of data, the ability to understand and harness information is one of the most valuable skills a professional can have. The Applied Artificial Intelligence and Data Analytics track prepares students to become experts in turning data into strategic insights and intelligent solutions that drive decision-making and innovation. Students in this track dive deep into areas such as machine learning, predictive analytics, natural language processing (NLP), and big data ecosystems. They learn how to build AI-powered systems, visualize data in ways that uncover hidden opportunities, and translate complex algorithms into real business value. What sets this track apart is its strong connection between technical depth and business relevance. Students are trained not only to code and model, but to ask the right questions, interpret the results, and communicate data-driven insights to business leaders and stakeholders. Graduates are equipped for high-demand roles such as data analyst, AI engineer, business intelligence specialist, or analytics consultant professionals who play a key role in helping organizations stay smart, adaptive, and future-ready in a fast-moving digital landscape.





CYBER SECURITY

DEGREE

Sarjana Komputer - S.Kom.

At UPH's Cybersecurity program, we go beyond just the basics; we turn you into a digital defender. You'll dive into topics like ethical hacking, cryptography, digital forensics, and secure software development, all while tackling real threats and missions. Our approach helps you think like a hacker so you can outsmart them, while also learning about the legal and ethical sides of the job. Our instructors bring real-world examples to the table, making it easier to see how theory applies in practice.

Whether you want to work as a cybersecurity analyst, forensic investigator, or protect systems in fields like finance, tech, or healthcare, this program gives you the skills and experience you need to succeed. At UPH's Cybersecurity program, we turn you into a digital defender. You'll explore ethical hacking, cryptography, digital forensics, and secure software development, tackling real threats along the way. Our instructors use real-world examples to connect theory with practice. Whether you aim to be a cybersecurity analyst, forensic investigator, or protect systems in finance, tech, or healthcare, this program equips you with the skills and experience to succeed.



AI AND COGNITIVE COMPUTING

DEGREE

Sarjana Komputer - S.Kom.

At UPH's AI & Cognitive Computing program, you'll learn how intelligent systems are designed, built, and deployed to solve real problems—responsibly. You'll move from advanced machine learning and deep learning into natural language processing and computer vision, explore intelligent systems and cloud computing for scalable MLOps, and finish with a capstone project that ships a real AI solution. Throughout, you'll ground your work in data ethics, security, and human-centered design while connecting theory to practice through industry cases and hands-on labs.

Whether you aim to be an AI engineer, data scientist, ML researcher, or product innovator in finance, health, retail, or creative tech, this program equips you to architect end-to-end pipelines—from data acquisition and model training to evaluation, governance, and monitoring—while communicating insights clearly and leading cross-functional teams. At UPH, we prepare you not only to build powerful models, but to build models that matter.

CERTIFICATION PROGRAMS

OUR STUDENTS WILL BE GIVEN THE OPPORTUNITY TO ENHANCE THEIR PORTFOLIO THROUGH VARIOUS CERTIFICATION PROGRAMS SUCH AS, BUT NOT LIMITED TO:

- Google Certified Professional Machine Learning Engineer
- Google Certified Professional Cloud Security Engineer
- Google Certified Professional Data Engineer
- CompTIA Security+
- Certified Ethical Hacker (CEH)
- Certified Information Systems Security Professional (CISSP)
- Project Integration Methodology of Excellence (PRIME)
- Certified in Risk Management (CRM)
- Certificate in Digital Marketing (CDM)
- Android Developer Associate (ADA)
- Microsoft Technology Associate (MTA)
- Information Technology Specialist AI
- Certified Data Science Practitioner™ (CDSP)

Selected Partners

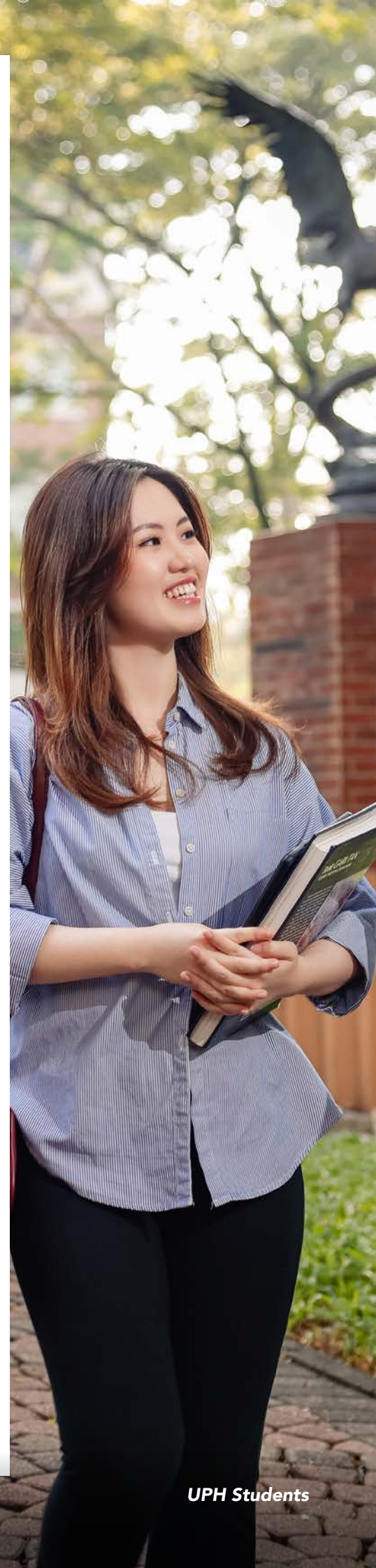
Industrial



Academic National



International





UPH **fit**

Faculty of
Information
Technology

LIPPO VILLAGE CAMPUS

Jl. M.H. Thamrin Boulevard 1100, Lippo Village
Tangerang 15811, Banten - Indonesia

MEDAN CAMPUS

Lippo Plaza Medan, Jl. Imam Bonjol No.6 Lantai 5 - 7,
Petisah Tengah, Medan City, North Sumatra 20112



START TODAY!