



UPH Universitas
Pelita
Harapan

**#BEYOND
ACADEMICS**

**DISCOVER
YOUR
PASSION**



**FACULTY OF
SCIENCE &
TECHNOLOGY**

Undergraduate
Program
2025

DISCOVER FaST DEFINE YOUR PATH

Studying at UPH's Faculty of Science & Technology has been a remarkable experience! The Actuarial Science course is the only one in Indonesia accredited by the Society of Actuaries, and the passionate lecturers genuinely care about our success. Being part of the English-taught Food Technology program has also been valuable. The supportive atmosphere, global standards, and ISO certifications create a top-notch educational environment. With plenty of opportunities to compete and showcase our skills, it truly motivates us to excel!



Explore The Future Starts Here

At UPH's Faculty of Science & Technology, we don't just teach science, we prepare you for the future. Whether you're into solving real-world business problems with math, diving into food innovation, building smarter cities with civil engineering, or shaping the future through AI and robotics, there's a program for you here. Our study programs, like Financial Engineering, Actuarial Science, Food Technology, and Additive Manufacturing, are designed with a strong industry focus. You'll get to work on hands-on projects, learn from expert lecturers (many with global experience), and explore exciting areas like machine learning, IoT, and big data, all while being part of an international learning environment.

"The experience of studying in UPH Civil Engineering course has been very helpful to begin and to develop my current career in the contractor field. The fast teaching and learning system (graduating in 3.5 years), a supportive academic supervisor, and campus facilities in a beautiful and modern university area make the learning periods very pleasant even in such a short period."

~ Endrick Andrian.

Contractor and Entrepreneur - Civil Engineering, 2013

What's incredible is how practical everything is. You'll get hands-on experience, work in teams with international perspectives, and gain access to lecturers who are experts in their fields. From 3D printing to innovative electronics, renewable energy, and big data, we make sure you're learning what matters in today's (and tomorrow's) industries. Career paths? Super diverse, think data scientist, IoT engineer, underwriter, R&D specialist, or even launching your own business. At UPH, it's not just about getting a degree, it's about discovering your edge and making an impact.

1st
The **1st** faculty and the only private university which has an actuarial program in Indonesia accredited by the Society of Actuaries (SOA)

1st
The **1st** faculty among private universities in Indonesia which offers Food Technology program fully-conducted in English

3
study program with **EXCELLENT** from the Independent Accreditation Board for Engineering (LAMTEKNIK)

25
Partnership with Companies & Organizations

30+
Collaboration with national organizational & international institution

30 Years of Experience as one of the leading faculty of science and technology

90% of faculty member with doctoral degrees

FaST
Faculty of Science and Technology

ISO 9001:2015 and ISO 21001:2018 certification for Educational Organizations Management System

More **30** students than **30** achievements in various academic and non-academic competition in the last three years.



Galeri Investasi

ACTUARIAL & APPLIED MATHEMATICS



FINANCIAL ENGINEERING AND COMPUTATIONAL RISK MANAGEMENT

DEGREE

Sarjana Matematika - S.Mat.

UPH's Financial Engineering and Computational Risk Management program is perfect for those who love math, data science, and machine learning. This program is designed to tackle significant challenges in the finance world, including predicting market trends and managing financial risks. From investments and economics to coding and analytics, it equips you with the skills you need to become a data-driven problem solver. Whether you aspire to be a data scientist, financial analyst, or develop groundbreaking financial products, your future starts here.



ACTUARIAL & BUSINESS MATHEMATICS

DEGREE

Sarjana Matematika - S.Mat.

At UPH, our Actuarial & Business Mathematics program offers the only SOA-accredited curriculum in Indonesia, giving you access to education at a top international standard. Here, you will dive into financial mathematics, insurance, and data analysis while building a strong foundation to become a certified actuary. Our graduates go on to become analysts, consultants, and risk experts who help organizations make smart financial decisions. We are ready to equip you with the knowledge, skills, and global recognition to turn your passion for math into a powerful career.



"I received a scholarship at UPH, and at that time, the Mathematics Department offered a double degree program with Information Technology. I decided to take the program because I was very interested and confident that it would be highly beneficial for the future. My experiences in study, organizations, and the activities I participated in during my time at UPH have shaped me into the person I am today. I am where I am now because of the foundation I built from the very beginning — and that's how you build your reputation."

Andre Jonathan Cahyadi, S.Si., S.Kom., CFA

Vice President of Investments di Indonesia Investment Authority (INA)

Applied Mathematics UPH, 2009

FOOD TECHNOLOGY



FOOD PROCESSING AND INNOVATION

DEGREE

Sarjana Teknologi Pertanian (S.T.P.) (Full English Class Available)

At UPH, our Food Technology in Food Processing and Innovation program is the perfect place for you to bring together your love for food, science, and creativity. You will learn how to develop fun and functional foods, explore new flavors, and gain hands-on experience with everything from chocolate to dairy. Our curriculum combines strong food science fundamentals with

an industry-focused approach, ensuring your skills are relevant to today's fast-changing food industry. For those in the international class, you also have the opportunity to earn a joint degree with the University of Newcastle in Australia. This is where science, creativity, and global experience come together to prepare you for an exciting and flavorful future.



FOOD BUSINESS AND ENTREPRENEURSHIP

DEGREE

Sarjana Teknologi Pertanian (S.T.P.) (Full English Class Available)

Get dreams of building your own food brand or running a food business, then UPH's Food Technology – Food Business and Entrepreneurship program is just for you! You'll get to explore the fascinating science of food while also diving into fun topics like branding, marketing, consumer behavior, and business strategy. It's the

perfect mix of technology and entrepreneurship, delivered in English for our international friends. Whether you're aiming to be a food entrepreneur, product developer, or simply an industry expert, this program equips you with all the tools you need to create, manage, and thrive in the ever-changing world of food.



ENGINEERING



CIVIL ENGINEERING- CIVIL ENGINEERING AND SMART CONSTRUCTION

DEGREE

Sarjana Teknik - S.T.

Get ready to ignite your passion with UPH's Civil Engineering And Smart Construction program! Designed for future leaders eager to shape smarter, greener cities, you'll explore soil mechanics, seismic-resistant structures, project cost estimation, and water resource management—all with a strong focus on sustainability. Learn from expert lecturers and build invaluable industry connections while developing essential skills like leadership and critical thinking. Whether you aspire to construct iconic landmarks or tackle environmental challenges, this program prepares you to make a real impact right after graduation. Your journey to transforming the future starts here!



INDUSTRIAL ENGINEERING- ADDITIVE MANUFACTURING

DEGREE

Sarjana Teknik - S.T.

UPH's Additive Manufacturing program is the perfect blend of creativity and cutting-edge technology! Dive into the exciting world of 3D printing, turning your bold ideas into real products. You'll get hands-on experience with innovative materials and design projects while also exploring the business side, like market trends and product launches. With real-world case studies and global collaboration opportunities, you'll build essential technical and entrepreneurial skills. Whether you aspire to be a design engineer, product developer, or start your own tech venture, this program prepares you for success from day one!

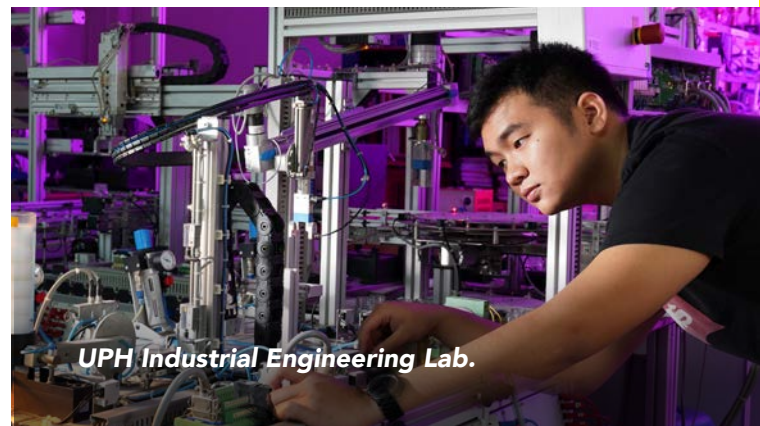


INDUSTRIAL ENGINEERING- SUPPLY CHAIN MANAGEMENT AND ANALYTICS

DEGREE

Sarjana Teknik - S.T.

UPH's Supply Chain Management and Analytics program is an exciting way to learn how to optimize the flow of goods, services, and data in today's tech-driven world. You'll gain hands-on experience with real-world case studies, tackle challenges like sustainability, and collaborate with international teams. With skills in analytics and digital supply chain strategy, you'll be prepared for roles like supply chain analyst or project manager across diverse industries such as e-commerce and healthcare. It's a great opportunity to make an impact!



ELECTRICAL ENGINEERING- ICT AND BIG DATA

DEGREE

Sarjana Teknik - S.T.

Ignite your passion for tech with UPH's ICT and Big Data program! Immerse yourself in the exciting world of digital communication, AI, 4G/5G systems, and intelligent networks that drive everyday technology. With a curriculum designed to meet international standards (IABEE) and taught by leading lecturers from around the globe, you'll gain hands-on experience and critical thinking skills. This program goes beyond traditional learning; it shapes future innovators who lead with integrity. Whether you aim to be a data scientist, IT consultant, network engineer, or researcher, UPH will prepare you to confidently tackle the challenges of tomorrow. Your journey into the future of technology starts here!



ELECTRICAL ENGINEERING- ELECTRONICS IN SMART INDUSTRY AND IOT

DEGREE

Sarjana Teknik - S.T.

Get ready to step into an exciting future with UPH's Electronics in Smart Industry and IoT program! From day one, you'll explore dynamic fields like robotics, solar energy, IoT, and industrial electronics, guided by top-notch lecturers from renowned universities. Experience real-world challenges through hands-on projects and research that go beyond the classroom! This program inspires you to think critically and innovate boldly. Whether you aspire to be an IoT engineer, a software developer, or a tech entrepreneur, your thrilling journey begins here!

INTERNATIONAL COLLABORATIVE LEARNING

JOINT DEGREE PROGRAM

Sarjana Teknologi Pertanian (at UPH) + Bachelor of Food Science And Human Nutrition, Joint Program With The University of Newcastle, Australia (Only For International Class In Food Processing And Innovation Specialization)



Partners



SINGAPORE POLYTECHNIC



International University & Colleges™



UNIVERSITÄT DES SAARLANDES



UNTAR Universitas Tarumanagara



UPH Students





LIPPO VILLAGE CAMPUS

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



START TODAY!