



25 YEARS
OF EXCELLENCE

Applied Mathematics
Food Technology
Civil Engineering
Electrical Engineering
Industrial Engineering
Biotechnology
Pharmacy

SUSTAINABILITY
THROUGH INNOVATION

**FACULTY OF
SCIENCE AND
TECHNOLOGY**

TOP 10 REASONS WHY UPH IS YOUR FIRST CHOICE!

Holistic, Transformational and Excellent Christ-Centered Education.



25 Years of Excellent Track Record with outstanding achievements and international recognition.



More than **30,000 outstanding and successful alumni members** spread out over the country and abroad.



Global Recognition - UPH degree connects you to the best universities, anywhere in the world.



Dual Degree and Combined Degree programs provide students with an immediate link to international universities.



Strong Industry Linkages with prominent industry partners both in Indonesia and overseas in ensuring internship and high employment opportunities for UPH graduates.



Comprehensive and Diverse Study Programs spanning from medical, pharmacy, technology, social science, up to the arts and humanities.



A Smarter Accelerated Pathway - you can complete S1 degree studies in 3.5 years instead of 4 years.



Right Soft Skills - equip UPH graduates with the right skills employers want.



Effervescent Student Life and activities - UPH impacts lives beyond academics, we place great emphasis on spiritual growth, character building and talent development.



APPLIED MATHEMATICS

Applied Mathematics educates students by offering them skills for creative problem solving and logical thinking. Our Department of Applied Mathematics is recognized for strong research projects, achievements, international and national connections and alumni career prospects.

Regular Program

Degree:

Sarjana Matematika (S.Mat)

with three specialized curriculums

Actuarial Mathematics
Computational Mathematics
Business Mathematics

Society Of Actuaria (SoA) Equivalency

UPH Applied Mathematics is the only Mathematics Department in Indonesia and only a few departments in South East Asia that has three courses (VEE Accounting, VEE Corporate Finance, and VEE Mathematicas Statistics (formerly VEE Applied Statistics)) approved by the Society of Actuary (SoA).

CONCENTRATIONS

Business Mathematics

In Business Mathematics, we use mathematics to solve problems commercial enterprises to record and manage business operations. Commercial organizations use mathematics in accounting, inventory management, marketing, sales forecasting, and financial analysis.

Actuarial Mathematics

In Actuarial Science, we manage risk. The future is uncertain and full of risk. Risk is the chance that an understandable event will occur, but risk is also opportunity. That's where we come in.

Computational Mathematics (Data Science)

Computational Mathematics involves research in areas of data science, science and engineering where computing plays a central and essential role. Topics include for example statistical modelling, machine learning, optimization, management and analysis of massive data sets, and data acquisition and developing accurate and efficient numerical methods for solving physical or biological models.

CAREER OPPORTUNITIES

The Following Companies Hire Mathematics Graduates:

- Computer service and software firms such as Adobe, Google. Inc.,The MathWorks, Inc., Microsoft Research, & Yahoo Research.
- Consulting firms such as Principia Management Group and McKinsey & Company.
- Electronics and computer manufacturers such as Hewlett-Packard, Honeywell, IBM Corporation, Motorola, Philips Research, & SGI.
- Non-profit organizations such as the American Institute of Mathematics (AIM) & SIAM.
- Engineering research organizations such as AT&T Laboratories-Research, Exxon Research and Engineering, Conoco Philips, Schlumberger-Doll Research, & Pertamina. Tbk.
- Financial service and investment management firms such as Citibank, AIA, Allianz, Morgan Stanley, & Prudential
- FinTech and startup industries such as: Paybill.id, SatuLoket.com, DoKu, Kartuku, Easypay, Mcpayment, Truemoney, Wallezz, Cashlez, Mimopay, Indopay, Firstpay,& OVO
- E-commerce industries such as: Tokopedia, Gojek, Grab, Lazada, Shopeee etc.

APPLIED MATHEMATICS COURSE OFFERING

- Microeconomics
- Macroeconomics
- Financial Mathematics
- Stochastics Processes
- Life Insurance Mathematics
- Mathematical Modelling
- Regression Analysis
- Time Series Analysis
- Risk Theory
- Investments
- Statistical and Probability Theory
- Non-parametric Statistics
- Financial Institutions and Markets
- Data Science
- Machine Learning

TESTIMONY



Jessica Priscillia

Actuarial Analyst PT Asuransi Allianz
Life Indonesia

Applied Mathematics 2008

"There are only a few universities that offers applied mathematics as a major, even less that offers actuarial mathematics as a minor. I started my study at UPH in 2008 and I have learned so much knowledge, not only an education which has a certain quality but also an education that can develop my social skills. What I've learned during the class is supported by complete facilities. The lectures are experts in teaching the subjects."



Giovani Gracianti

Executive Director of Persatuan Aktuaris
Indonesia

Applied Mathematics 2008

"I had been trained to be a person of integrity, balance and optimal in family, work and society. UPH successfully provides a core education that allowing me to be a holistic self-developer. I have grown in all aspects of life including spiritual, mental, socio-emotional, and physical since then. Studying in UPH was an important part of my life journey, preparing me as a problem solver for the needs of the nation and the world."



Dewi Tanasia Saputra

Data Analyst – Property Valuation
Services Corporation, Dartmouth, NS,
Canada

Applied Mathematics 2010

"Changing my major from Business Accounting to Mathematics was the biggest yet the most worthwhile risk I've ever taken. Faculty members and professors from the Faculty of Science and Technology (FaST) in UPH helped me tremendously in all aspects of my university life – academic, personal growth, and lifelong learning."

FOOD TECHNOLOGY

Food Technology program deals with raw materials, processing and processed foods. It covers among others, the scientific knowledge in food chemistry, microbiology, processing and engineering, nutrition as well as food analysis, safety and quality assurance in order to produce safe, wholesome, quality food products.

Regular & Full English Program

Degree:

Sarjana Teknologi Pertanian (S.T.P)

Dual Degree Program

**University of Newcastle (UON),
Australia**

Degree:

From UPH:

Sarjana Teknologi Pertanian (S.T.P)

From UON Australia:

**Bachelor of Food Science and Human
Nutrition (BFSHN)**

UPH Food Technology study program provides students with a strong foundation in basic science and food science, but we do not stop there. By being industry-oriented, we are constantly pushing our students to apply theory and technological skills to real-life situations, so that they are fully ready to contribute back to the industry when they graduate - either by starting up their own businesses or working in leading food companies around the globe.

Our distinct features include: A strong foundation in basic science and food science and its technological applications; Industry-oriented program that intertwines theory with the real-life applications; Strong industry connections to ensure program alignment and sustainability with over 100 food industry partners for internship; English track available to prepare students to work in multinational corporations

Our curriculum is based on the National and International standards referring to the basic requirements for Food Science and Technology program established by Institute of Food Technologists (IFT, USA) and Perhimpunan Ahli Teknologi Pangan Indonesia (PATPI). plus soft and success skill from Liberal Arts UPH.

The Networking established by UPH Food Technology study program with national and international educational food institutions as well as mutual partnership with food industries has enriched the value of this program.

CAREER OPPORTUNITIES

- Food and Beverage Industries
(Manufacturing, Quality Control, R&D, and Marketing)
- Food Ingredients Manufacture
(Supplying to Food Manufacturing)
- Food Plant, Equipment, and Processing
- Food Packaging Manufacturing
- Food Supply Chain Industries
- Retail Food Distribution and Catering (Food Service)
- Trading Standard Unit/Institution
- Public Analyst Laboratories
- Research Institution and Association
- Educational Establishments
- Government institutions
(Administration, Food Legislation, Food Affairs)
- Consultancy (e.g. SSOP, GMP, HACCP, etc.)
- Food Entrepreneurship

FOOD TECHNOLOGY COURSE OFFERING

- Food Chemistry
- Food Biochemistry
- Commodity Science
- Food Microbiology
- Food Analysis
- Introduction to Food Technology
- Food Processing Technology
- Food Packaging and Storage Technology
- Sensory Evaluation of Food
- Food Safety and Sanitation
- Food Quality Assurance
- Flavour Technology
- Fermented Beverage Technology
- Milk Processing Technology
- Aquatic Food Processing Technology
- Food Biotechnology
- Fruit and Vegetables Processing Technology
- Functional Food
- Nutrition
- Dietetics
- Liberal Arts

TESTIMONY



Yogi Sugita

Senior Scientist - Beverage, PT Kerry
Ingredients Indonesia

Food Technology, 2003

"Food Technology UPH is a fun and complete place to obtaining education and experiencing the world of food and beverage technology. UPH is a very good place for studying because the university culture, location, main and supporting facilities which are optimized the education process and in shaping leadership spirit to each of its students."



Dea Krismarietta

Nutrition/Dietitian in Sydney, Australia

Food Technology, 2006

"Food Technology UPH helped me to pursued a graduate study in Sydney, Australia. Learning and the experience that I've got during my bachelor degree college, helped and guide me during my next study at a master degree level and became an expert in Nutrition/Dietitian in Sydney, Australia. Although I am now working as a dietitian, not in food industry, but scientific knowledge that I learned before was still recalled and applied."



Angeline Aprilina

Food Technologist PT Kraft Heinz ABC
Indonesia

Food Technology, 2013

"Science and technology that have been taught are very relevant and as capital sufficient to compete in the workplace."



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CIVIL ENGINEERING

The vision of Civil Engineering Department of UPH is to become a prominent civil engineering education centre capable of producing professional engineers with significant leadership capacity, strong concern on sustainability and eco-friendly technologies, and possessing the Character of Christ.

Regular Program

Degree:

**Sarjana Teknik
(S.T.)**

Civil Engineering Department equips the graduates with theoretical knowledge, skills, and professional attributes compulsory for a career in civil engineering related field. The program is developed in response to the growing demand of civil engineers to cope with the challenges of the globalization and particularly to raise awareness of the characteristics and significance of construction projects and infrastructures, including their technology, economics, and social impact.

CAREER OPPORTUNITIES

- Consultant
- Lecturer
- Contractor / Developer / Entrepreneur
- Researcher
- Public Service
- Project surveyor in financial institutions, e.g. Bank
- Non-Government Organisation, e.g. United Nations Development Programme (UNDP)

CIVIL ENGINEERING COURSE OFFERING

- Mathematics
- Construction Material Technology
- Land Surveying
- Soil Mechanics
- Engineering Mechanics
- Foundation Engineering
- Concrete, Steel, Timber, Road Structures
- Design of Seismic Resistant Structure
- Computational Modelling of Structure
- Civil Engineering Design
- Project Cost Estimation
- Construction Management
- Fluid Mechanics
- Transportation System
- Water Resources Management and Hydraulics Engineering



TESTIMONY



Vincent Hasen, S.T., M.T.
Ph.D. student in Texas A&M University,
USA

Civil Engineering, 2006

"UPH Civil Engineering has never stops improving their means and methods of education. By holding on to the vision 'TRUE KNOWLEDGE, FAITH IN CHRIST, and GODLY CHARACTER' they make sure their graduates are of the highest quality in every aspect of life. It is truly a blessing to be part of UPH Civil Engineering family."



Sujoko, S.T.
Site Manager

Civil Engineering, 2012

"In my opinion, the teaching system at UPH Civil Engineering S1 program provides more flexibility in learning for students, in compliment to the S2 teaching system that focuses more toward tasks and applications. Through education in S1, our character is built into adulthood and we can better understand what is suitable for application in the field. Also, we do a lot of experiments in UPH Civil Engineering laboratories such as stress test for concrete, tension test for wood, and test for steel."



Endrick Andrian, S.T.
Project Director

Civil Engineering, 2013

"The experience of studying in UPH Civil Engineering course is 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 though it is fast."

ELECTRICAL ENGINEERING

EE UPH is one of only about 10% EE departments that is accredited with A by BAN-PT in Indonesia. The A-accredited Electrical Engineering program focuses on two concentrations: Electronics and Telecommunications Engineering.

Regular Program

Degree:

**Sarjana Teknik
(S.T.)**

Parts Of Life-Long Learning & Business Skills

Leadership, Ethics, Technology Business, Telecommunication Regulations and Business.

CONCENTRATIONS

Telecommunications Engineering

Digital Communications, Wireless/Mobile/Optical Communications, Communication Networks, Digital Signal Processing, Software Defined Radio

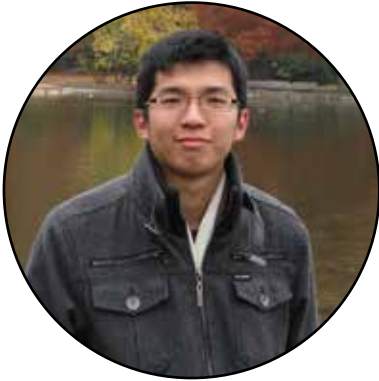
Electronics Engineering

Robotics, Mechatronics, Microcontrollers, Microprocessors, Renewable Energies, Optoelectronics, Internet of Things

ACTIVITIES & CO-OPERATIONS

- Partnership with 22 European & Asian universities in Erasmus + LEADERS consortium (www.emleaders.eu)
- Research partnership with MMM Research Center
- Best paper award in the 4th Int. Conf. on Instrumentation, Communications, Information Tech. and Biomedical Eng. 2015
- Cooperation with Indonesian Institute of Sciences (LIPI)
- Strong expertises in mobile comm., photonics, embedded systems, laser spectroscopy, solar energy, software defined radio
- * 3rd winner of Tech Infinity Sumo Robot Competition 2018
- * Cooperation with OVO Data Analytics and Viar Motor

TESTIMONY



Wandi Susanto, S.T., M.Sc.

Recipient of Master Scholarship of DFG in Saarland Univ., Germany, Biomedical Imaging Software Developer in Definiens, Germany

Electrical Engineering, 2004

"As a student with much of curiosity, I was fortunate to meet and study under the guidance of my professors and lecturers in UPH Electrical Engineering Department. They were determined to inspire me and my classmates to excel in our disciplines, understanding discoveries of Gustav Robert Kirchhoff, James Maxwell, Nicola Tesla, and Claude Shannon which shape our modern world today.



Hery Susanto Djie, Ph.D

Engineering Director, Lumentum Holding Inc., San Jose, California, USA. Recipient of Nanyang Tech. Univ. Outstanding Young Alumnus Award, 200+ journal/conf. publications, 5 US Patents

Electrical Engineering, 1995

"UPH is a huge factor that provides me a strong foundation to the next level of my journey as doctoral candidate and my professional path. There is no substitute for four years of education, training, and experiences in the department that moulded me and proved the prime factor on what I have accomplished so far. I will be forever grateful for what the department and the university have contributed to what I am today! "



Margaritifera Tilaar, S.T.

SAP Consultant (previously at Astra Graphia IT, Mitra Solusi Telematika)

Electrical Engineering, 2004

"I learned theoretical knowledge in various disciplines, and developed practical skills like teamwork and problem solving. It helps building my career even after I moved into another field, IT Consulting. The department was relatively small, which made it easier to build connections with friends and receive support from the lecturers. "

INDUSTRIAL ENGINEERING

Industrial Engineering courses focus on integrated system of 5M (Man, Machine, Material, Method and Money). Class and lab activities are designed to equip students with knowledge, skills, and case study to be able to identify, formulate, analyse, solve and provide proposed solutions.

Regular & Full English Program

Degree:

**Sarjana Teknik
(S.T.)**

The curriculum prepares students to become industrial engineer in global company through theory and practical work and able adapt easily in the industrial and work environment. Not only equipped with the principles and current issues in the field of industrial engineering, students will also carry out research, data collection, interpretation and analyse the impact to economic, environmental and social aspects.

CONCENTRATIONS

Industrial Management

Industrial management studies the management side of software-driven industrial fields, and human resource-related management. A number of subjects like Enterprise Resource Planning (ERP), Decision Support Systems, Lean and Green Manufacturing are taught as separate subjects in Industrial Management.

Industrial Automation

Industrial Automation covers robotic production line with automation sensory, process control, and metal works. It is a part of a corporate integrated information system with an emphasis on Mechatronics, Factory Automation, CAD/CAM, Robotic System

COOPERATIONS

- Several industries for students who are required to do fieldwork, final assignments and become part of the research team or community service with lecturers
- With the Industrial Engineering Higher Education Cooperation Agency (BKSTI) and several overseas universities such as Sungkyunkwan and La Trobe

CAREER OPPORTUNITIES

- Consultant
- Product Development
- Brand Management
- Entrepreneurship
- Production Planning and Inventory Control (PPIC)
- Industrial Operation
- Industrial Software (ERP)

INDUSTRIAL ENGINEERING COURSE OFFERING

- Supply Chain Management
- Occupational Health & Safety
- Industrial Control System
- System Modelling
- Simulation
- Business Development & Entrepreneurship
- Analysis and Design of Information System
- Production System
- Engineering Economy
- Descriptive and Inference Statistics
- Optimization & Stochastic
- Ergonomics
- Quality Control and Assurance
- Product Planning and Design
- Design of Industrial Facilities
- Environment Technology
- Life Cycle Assessment
- Industrial Psychology
- Liberal Arts

TESTIMONY



Edwin Putra
ERP Senior Analyst in Singapore

Industrial Engineering, 2006

"Having ERP knowledge while studying in Industrial Engineering UPH, gives a significant contribution to my current position as ERP Senior Analyst in Singapore."



Mellisa Handryani Christine
Data Analyst, Tokopedia

Industrial Engineering, 2010

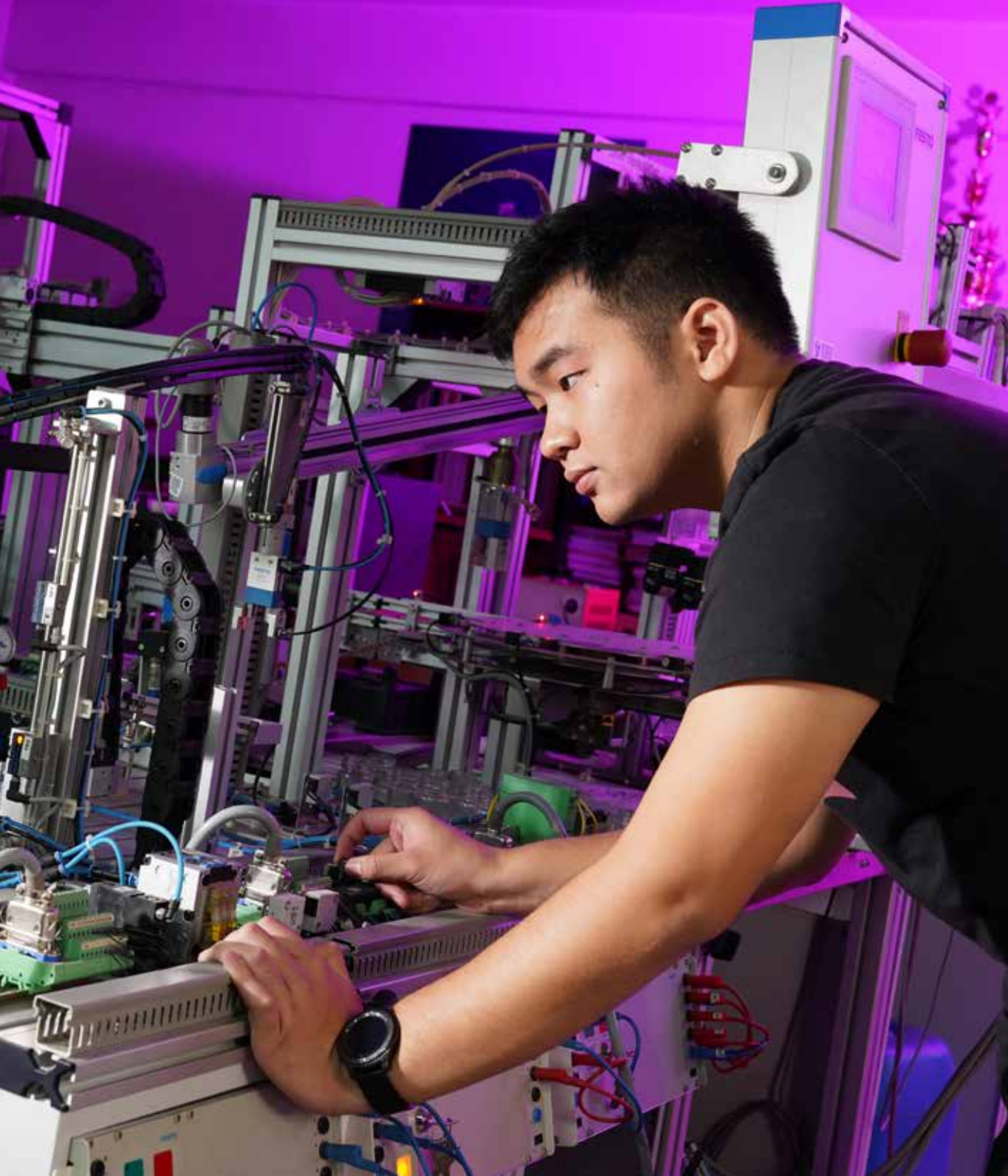
"Studying Industrial Engineering in UPH was one of the best decision in my life. Here, I gained knowledge and experience that are also competitive with other public universities. Apart from knowledge, my uni life was not complete without social life I had with my friends and lecturers."



Timothy Henry
Design Engineer at PT. Star Cosmos

Industrial Engineering, 2012

"Studying at UPH Industrial Engineering has given me the skills required to compete in my professional career as a design engineer at one of the renowned manufacturers of electric home appliances."



BIOTECHNOLOGY

UPH Biotechnology (Biology) Department equips students with strong theoretical and practical skills in the field. The course will prepare students to face challenges in the health, food, agricultural and environmental industries professionally and to develop new innovative products in various areas.

Regular Program

Degree:

**Sarjana Sains
(S.Si.)**

Biotechnology is rapidly evolving field in the modern life which incorporates technologies into biology. It allows cutting edge ideas to be experimented hands-on in various organisms, cells and molecules such as proteins, DNA and RNA. Biotechnology allows the swift advancement in the medical, pharmaceutical, food and agriculture, and environmental industries.

The prospect of Biotechnology in global related business is promising. The hope to tackle various global challenges in medical, agricultural, industrial and environmental in the future will rely greatly in the advancement of biotechnology. In Indonesia, trained people and professionals in the field are needed. UPH Biotechnology (Biology Department) offers program that leads to the award of a Bachelor of Science degree upon course completion.

In the first and second years, students will learn key skills in biotechnology such as fundamental biology, biochemistry, microbiology and molecular biology. In the third year, students are to engage in laboratory skills training of DNA technology with its application. In their last year, students will be expected to gain real-world experience through attachments at major healthcare, food, agricultural and environmental industries and work on their own final year projects.

CAREER OPPORTUNITIES

- Biotechnology Companies
- Food and Pharmaceutical Industries
- Research and Educational Institutions
- Clinical Laboratories
- Health Consultants

BIOTECHNOLOGY COURSE OFFERING

- Biochemistry
- Cell Biology
- Genetics
- Microbiology
- Molecular Biology
- Bioinformatics
- Enzymology
- Functional Food & Nutraceutical
- Nutrigenomics
- Fermentation Technology & Bioprocess
- Immunology
- Recombinant DNA Technology
- Plant & Animal Tissue Culture
- Medical Biotechnology
- Pharmaceutical Biotechnology
- Entrepreneurship

TESTIMONY



Diana Priyatno

**Research Assistant at Mochtar Riady
Institute for Nanotechnology (MRIN)**

Biotechnology, 2009

"In general, studying Biotechnology in UPH was in accordance with my expectation. The lecturers of UPH Biotechnology are experts and very experienced in their field. I got a lot of knowledges and also opportunities to do studies and researches to enhance my knowledge. The laboratory's equipments are adequate enough and really helpful for the study process."



Ellen Tanudjaja

**Doctor Course student (2nd year) at
Uozumi Laboratory, Biomolecular
Engineering Dept., Graduate School of
Engineering., Tohoku University, Sendai,
Japan.**

Biotechnology, 2007

"During my undergraduate study at Biotech-UPH, I learn a lot of things, not only theory in the classroom but also direct practice in the laboratory, not only about academics things but also soft skills, which are very important in the real life. I believe that the lecturers and staffs at Biotech-UPH have done a great job of preparing me for the next level of education. Thank you Biotech-UPH."



Yenni Soraya

Brand Manager - Prost Beer

Biotechnology, 2010

"Study Biotechnology in UPH is the memorable experience that'll never be easily forgotten, because it's made me who I am today. Not only the basic knowledge about science that was transferred to us, but also all the skills that we need for our working life. When you graduate from Biotechnology UPH, you will ready to face the next level of your career."



PHARMACY D3

Do you want to be ready to work after study? Pharmacy vocational study program, in collaboration with Siloam Hospitals group, offers training to equip you with the required professional competences to work in pharmacies, hospitals, and pharmaceutical industries.

Regular Program

Degree:

**Vocational Diploma (D3):
Ahli Madya (A. Md.)**

Curriculum:

The curriculum consists of 108 credits (SKS) which will be given in 3 years, and contains theoretical classes, laboratory sessions, practical trainings, internships, and final project. The graduates will obtain the academic title of Ahli Madya (A.Md.).

Health-care is a fast-growing and forever-needed services in the communities. One of the main health-care service providers is pharmacist-assistant, which is not only needed in pharmacies, but also in hospitals and pharmaceutical industries. These much-needed professionals are responsible to help the pharmacists to prepare and dispense the medicines to the customers, manage the day-to-day operation, control and maintain the stock system of pharmacies and pharmaceutical departments in hospitals. They are also involved in the medicine production in a pharmaceutical industries.

Considering the growing population and the increase of the quality level of health-care services, more and more pharmacist-assistants with vocational diploma competence will be needed. UPH in collaboration with Siloam Hospitals group is committed to contribute for the preparation of competent pharmacist-assistants by providing excellent professional trainings by competent lecturers from experienced professionals and academics with at least master degrees from well-known universities both in Indonesia and abroad, supported with excellent laboratories and good interactions with Siloam Hospitals. Attention is given to the building of good characters as foundation of good professionals. Graduate from pharmacy vocational study at UPH will be also equipped with good english language training (TOEFL) so that they can work globally.

PHARMACY S1

Are you interested in health care? Is chemistry your passion? Do you like to work with medicines and natural products? The Pharmacy bachelor study program offers you the chance to study more about these. You will be trained to manage drug preparation, storage, and delivery, especially in clinics and hospitals. Natural health products, which has become a trend these days, will also be a focus of the study program.

Regular Program

Degree:

**Sarjana Farmasi
(S. Farm)**

As everyone wants to be healthy, health care became a fast-growing industry. Health industry is one of the industries that contribute most to the national growth, and it is now the government has stated that this industry is one of prioritized sector to be supported and developed.

Graduates of Pharmacy bachelor study program will contribute a lot in this field. They can work in hospitals and clinics to prepare medicines, manage the drug storage, and deliver the medicines to the patients. Or they can do the research on finding new drugs or perfecting the available ones. The graduates are also eligible to join the professional class to become a professional pharmacist.

There are two main focuses of the study program, which is clinical pharmacy and natural product pharmacy. Clinical pharmacy deals mainly about how to provide patient care through rational use of drugs, with the goal to optimize medication therapy and promotes health, well-being and disease prevention, and, ultimately, improve the patient's quality of life. Natural product pharmacy is more on how to extract, prepare, and use natural products, for example medicinal plants, for pharmaceutical purposes. This is a new trend in society which gains popularity due to the fewer negative side effects of naturally obtained drugs compared to the synthetic ones.



CAREER OPPORTUNITIES

Bachelor in pharmacy can work in healthcare industry, such as pharmaceutical industry, hospital, pharmacy, clinical laboratory, pharmacy distributor, government health sector, research institution.

- In the field of clinical pharmaceutical services: Pharmacies, Clinics, Hospitals
- In the field of manufacturing and quality control of pharmaceutical preparations: Pharmaceutical factory, Traditional medicine factory, Cosmetics, Food and drink industries
- In the field of distributing pharmaceutical preparations: Pharmaceutical and traditional medicine industries, distributors, laboratories
- As entrepreneur in pharmaceutical business

COMPETENCES

The graduates of this study program will have the following competences:

- Ability to provide excellent pharmaceutical services in health-care facilities, following the applicable legal aspect and standard operating procedures
- Ability to manufacture medicines and other pharmaceutical preparations according to Good Manufacturing Practice (GMP) standard and the applicable legal and ethical aspects
- Ability to distribute pharmaceutical preparations, medical devices, and other medical ingredients according to the applicable standard procedures, legal aspect, and ethics
- Ability to assist pharmaceutical research
- Entrepreneurship

PHARMACY S1 COURSE OFFERING

FACILITIES

- Class rooms with multimedia facilities
- Pharmaceutical laboratories: Pharmaceutics laboratory, Pharmacognosy laboratory, Pharmaceutical technology laboratory, and other related laboratories

INSTITUTIONAL PARTNER



Siloam Hospitals group

- Pharmaceutics
- Human anatomy and physiology
- Pharmaceutical Microbiology
- Pharmacology
- Formulation and Technology for pharmaceutical preparation
- Pharmacognosy
- Molecular Biology
- Pathophysiology
- Medicinal Chemistry
- Phytochemistry
- Clinical Pharmacy
- Industrial Pharmacy
- Hospital Pharmacy
- Pharmacotherapy
- Dispensing and Compounding
- Natural Product Pharmacy
- Evidence-based medicine
- Entrepreneurship

NATIONAL ACHIEVEMENTS

NO.	YEAR	EVENT	STUDENT ACHIEVEMENT	MAJOR
1.	2019	Selekda Calon Kompetitor ASEAN SKILL COMPETITION XIII 2019	2nd Place	Industrial Eng. Department
2.	2019	Inter-University Competition (INSTICT) 2019	2nd Place	Industrial Eng. Department
3.	2017	Selekda Asian Skill Competition XII	1st & 2nd Place	Industrial Eng. Department
4.	2017	Indonesian Food Bowl Quiz	1st Place	Foodtech Department
5.	2017	ON MIPA PT	Gold Medal	Math Department
6.	2016	ON MIPA PT	Gold Medal	Biology Department
7.	2016	National UPH Foodpreneur Competition	1st & 2nd Place	Foodtech Department
8.	2015	Calculus Cup VI	Semi Finalist	Math Department
9.	2015	OSN Pertamina	TOP 6	Math Department
10.	2015	Lomba Teknik Industri (EFiCn)	First Place	Industrial Eng. Department
11.	2015	Teknik Industri IECA	Third Place	Industrial Eng. Department
12.	2015	Lomba Keilmuan Teknik Industri (LKTI)	Third Place	Industrial Eng. Department
13.	2015	The Third Indonesia Food Quiz Bowl Competition	First Place	Foodtech Department
14.	2015	ON MIPA PT	Gold Medal & Honourable Mention	Biology Department
15.	2015	ON MIPA PT	Bronze Medal	Math Department
16.	2014	OSN Pertamina	Finalist	Math Department
17.	2014	Lomba Teknik Industri (EFiCn)	2nd Place	Industrial Eng. Department
18.	2014	Indofood Riset Nugraha (IRN)	Excel Researcher In Food Diversification	Foodtech Department
19.	2014	ON MIPA PT	Gold Medal	Math Department
20.	2014	Mathematical Modelling Competition (MMC) ITB	2nd Place	Math Department
21.	2014	National Food Technology Competition	2nd Place	Foodtech Department
22.	2014	ON MIPAT PT	Bronze Medal & Honourable Mention	Biology Department
23.	2014	Lomba Teknik Industri (EFiCn)	2nd Place	Industrial Eng. Department
24.	2013 & 2014	Lomba Keilmuan Teknik Industri (LKTI)	3rd Place	Industrial Eng. Department
25.	2014	OSN Pertamina Competition	2nd & 3rd Place Regional Round	Industrial Eng. Department
26.	2011 - 2016	27 Program Kreatifitas Mahasiswa-Penelitian (PKM-P) 8 Program Kreatifitas Mahasiswa-Karya Tulis (PKM-KT) 1 Program Kreatifitas Mahasiswa-Kewirausahaan (PKM-K)	2nd & 3rd Place Regional Round	Industrial Eng. Department
27.	2013	OSN Pertamina Competition	1st Place	Biology Department
28.	2013	OSN Pertamina	1st Place Regional Round	Math Department
29.	2013	ON MIPA PT	Gold & Bronze Medal	Math Department
30.	2013	ON MIPA PT	2 Silver Medals & Bronze Medals	Biology Department
31.	2013	Mathematical Contest in Modelling	Meritorious	Math Department
32.	2013	Lomba Teknik Industri (EFiCn)	1st & 2nd Place	Industrial Eng. Department
33.	2013	Lomba Teknik Industri The 7th National Statistics Competition for Engineering - Students	2nd Place	Industrial Eng. Department



INTERNATIONAL ACHIEVEMENTS

NO.	YEAR	EVENT	STUDENT ACHIEVEMENT	MAJOR
1.	2017	International Math Competition for University Student	1st Place	Math Department
2.	2015	ASEAN Undergraduates Food Quiz Bowl Competition	3rd Place, Manila, Filipina	Foodtech Department
3.	2015	Int. Conf. on Instrumentation, Communication, Information Technology, and Biomedical Eng	Best Paper Award	Electrical Eng. Department
4.	2013	Business Idea Competition	Champion of the ASEAN Preneurs, Manila	Math Department
5.	2013	Meritorious Winner of the International Mathematics Contest in Modelling		Math Department

LECTURERS

- Hold Master's and Doctoral degrees from distinguished national and International universities
- Skilled professionals

FACILITIES

- Basic Biology Laboratory
- Advanced Biology Laboratory
- Power Engineering Lab
- Control and Digital Lab
- Electronics Engineering Lab
- Electrical Eng. Research Lab
- Chemistry Lab
- Quality Control Lab
- Microbiology Lab
- Sensory Lab
- Food Processing Lab
- Food Research Lab
- Physics Lab
- Language Lab
- Computer Lab
- Industrial System Control
- Telecommunication Engineering Lab
- Work System and Design
- Integrated Business Lab
- Workshop
- Industrial Technology Center
- Automation Lab
- Factory Simulation (a small factory equipped with robotic programming)
- Soil Mechanics Lab
- Computation in Civil Engineering Lab
- Concrete Technology Lab
- Lithography Lab

INDUSTRIAL PARTNERS

- PT. Indosat
- PT. Toyota Astra Motor
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- PT. Swadaya Prima Utama

INTERNATIONAL PARTNERS

- School of Electrical and Electronics Engineering, Kyungsoong University, Busan, South Korea
- Communications Engineering Lab, Karlsruhe Institute of Technology, German
- Handong Global University, South Korea
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