

Hankyong Nation University is the paragon of excellence in academics. Since its establishment in 1939, the University has been a forerunner in training tomorrow's workforce today. HKNU fosters initiative and vision in our graduates to forge a promising future for Korea and the world. HKNU is proud of its long history and academic tradition, going back 78 years. With this proud heritage, HKNU welcomes you to the campus that prepares leaders for another great leap beyond the horizon.

HKNU has collaborated on assorted projects sponsored by the Ministry of Education, including specialization projects jointly pursued by the university, corporations and industries. Our distinguished faculty is also actively engaged in various global exchange programs with prominent universities with renowned reputation. The ever-increasing growth in education, research and international interchange enables HKNU to nurture global leaders of international acclaim.

In our quest to become a leading university for Agri-food and Bio-Technology, we are making strenuous effort to engender academic excellence in convergence and integration needed for the Forth Industrial Revolution. With this in mind, we're planning to build a second campus to play the role of an inventive hub on the west coast. We are paving the way for an innovative paradigm beyond quantitative growth.

I believe that graduates from HKNU will become competent and proficient trailblazers, equipped with foresight and wisdom to harmoniously integrate with society. Please keep an encouraging eye on HKUN, to witness steady growth with dynamism and inspiration. HK Dynamics!

President of Hankyong National University

Yim Tae Hee

# **VISION**

# **Vision**

# VISION 2 0 2 5

Hankyong National University established the Hankyong Vision 2025 and has strived to improve it to be a major university of Gyeonggi-do with the focus to promote creative individuals for the future. We are nurturing global leaders with diverse projects supported by the Ministry of Education and government agencies.

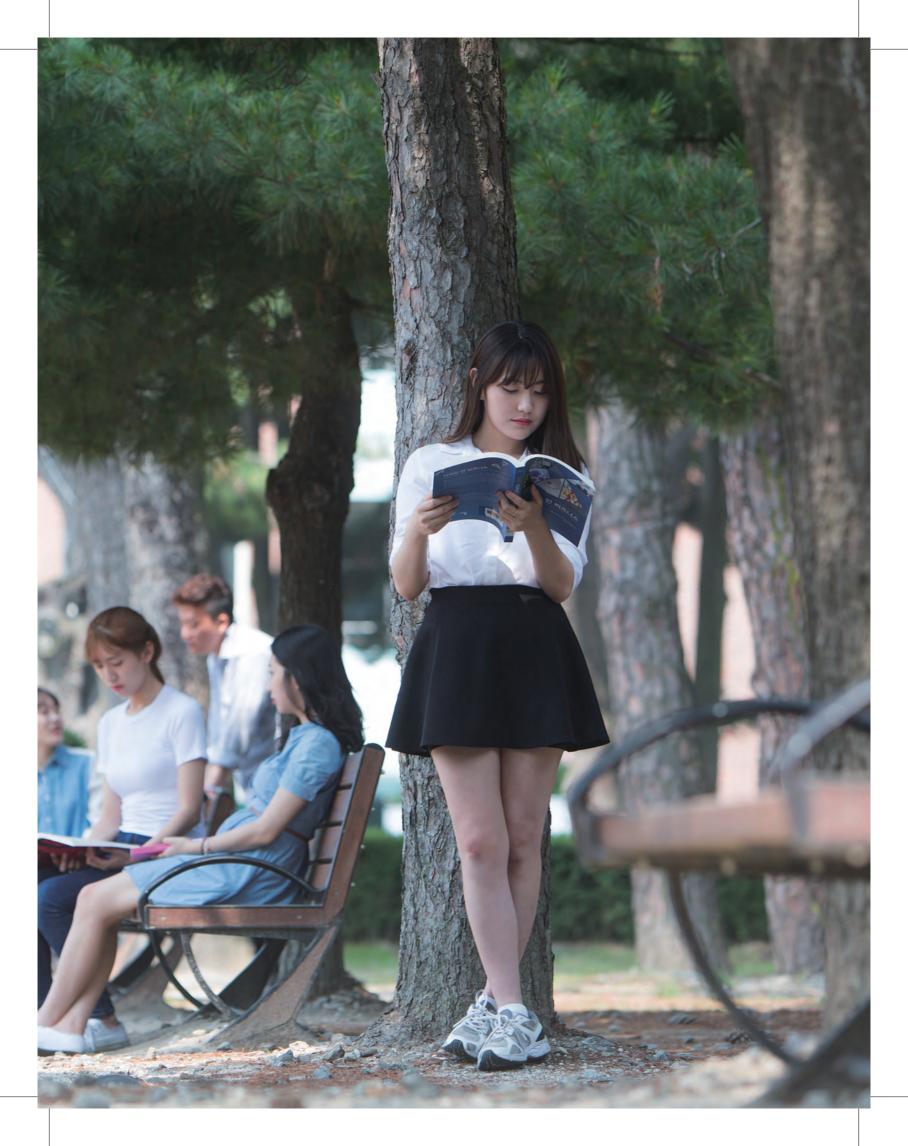
	Vision	Hankyong VISION 2025, "Top University and Center of Gyeonggi-do"
-	Educational Goal	Promoting creative individuals with professional knowledge and moral character
-	Goal for Individuals	Creative practitioners, well-rounded professionals, and global leaders
******	Core Capacity	self- management creative ideas fundamental learning of resource information technology communicational capacity well-rounded relationship with others, and global leadership

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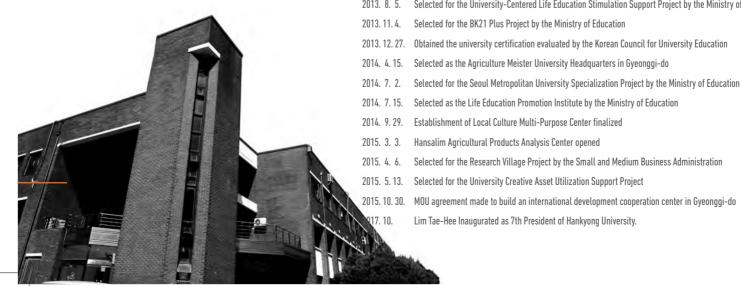


# **Hankyong National** University, a Big Tree with Deep Roots

**Writing the Modern History of Agricultural Biological Science in Korea** 

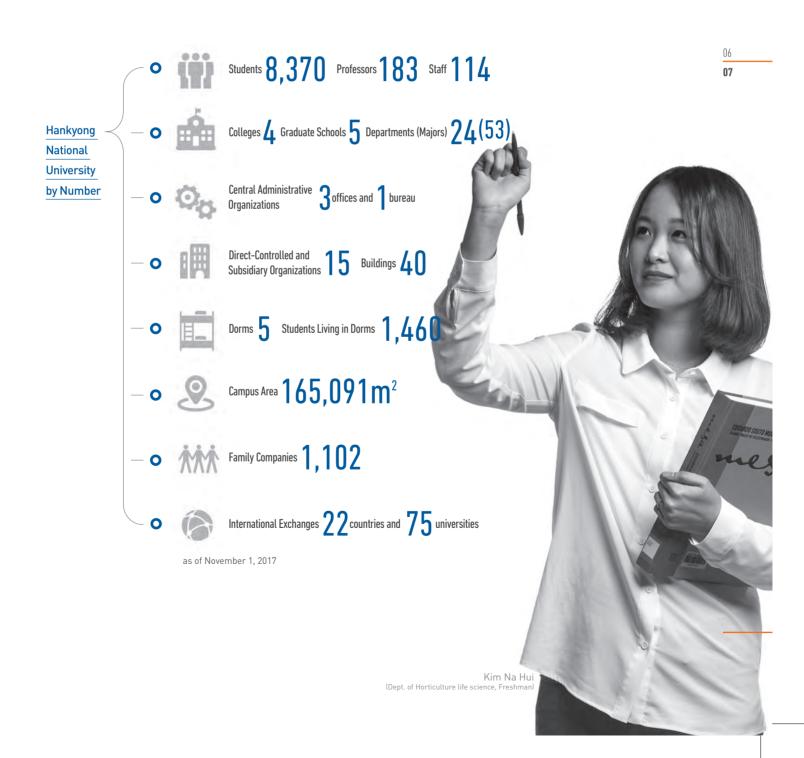
Since its opening as Anseong Public Agricultural School, Hankyong National University has grown into a small, yet powerful university that has nurtured creative individuals in the modern history of agricultural biological science in Korea. The agriculture-centered development has laid the firm foundation for Hankyong National University.

Major History			
1939. 3.24.	Anseong Public Agricultural School established (five-year system)		
1950. 5. 1.	Reorganized into Anseong Agricultural High School and Anseong Agricultural Middle School		
1965. 4.15.	Anseong Specialized Agricultural High School established		
1970. 8.30.	Anseong Specialized Agricultural School established		
1977. 9. 1.	Becoming a national institution		
1979. 1. 1.	Promoted to Anseong Specialized Agricultural College		
1993. 3. 1.	Reorganized into Anseong National Industrial University		
1993. 3.31.	President Han Ki-young inaugurated as the first president of the university		
1996. 11. 1.	Chosen as a university specializing in the dairy industry by the Ministry of Agriculture and Forestry		
1999. 1. 8.	Hankyong University Scholarship Promotion Foundation established		
1999. 3. 1.	Changed the name to Hankyong National University		
2000. 9.29.	Selected as the Best University by Joongang Ilbo's National College/University Evaluation		
	for outstanding faculties, highest job placement, and best reputation		
2001. 8. 24.	Selected as Best Industrial University by the Ministry of Education and Human Resources		
2005. 6.21.	Selected for the Seoul Metropolitan University Specialization Support Project		
	by the Ministry of Education and Human Resources		
2012. 3. 1.	Converted into a general national university		
2012. 6. 7.	Hankyong Vision 2015 declared		
2013. 4.17.	Tae Beomseok inaugurated as the 6th president of the university		
2013. 7. 11.	Selected for the University Education Capacity Building Support Project by the Ministry of Education		
2013. 8. 5.	Selected for the University-Centered Life Education Stimulation Support Project by the Ministry of Education		



# **HISTORY**

# Small, yet Powerful University Promoting Creative Individuals



# Young National University Representing Gyeonggi-do

# **Specialized Education Programs**

Hankyong National University strives to promote onsite-oriented individuals. We introduced the Practice Track System to adapt to the rapidly changing industrial environment and promote individuals with an onsite-oriented business mindset. We are strengthening the research capacity of agricultural biological science and IT fields as new engines of future growth and implementing education tailored to cultivate individuals who will lead in future growth industries.

- Onsite-Oriented Educational Program "Capstone Design Contest"
- Multi-Disciplinary Integrated Education as a future-oriented educational program (since 2011)

# Nationally Recognized Education and Research Achievements

Our specialized education and research capacity has been recognized thanks to the university's participation in diverse national projects. In fact, our collaboration projects with companies have been rapidly increasing each year. Over the last three years, we have performed 409 research projects (amounting to KRW 25.5 billion), applied for 96 patents, and have successfully implemented 35 technology transfer cases, securing nationwide research recognition.



# Education and Research Achievements

- Secured the university certificate (2013)
- Chosen for the University Education Capacity Building Support Project for three consecutive years (2011–2013)
- Selected for the BK21 Plus Specialized Professionals Promotion Project (2013–2019)
- Selected as the Anseong Children's School Lunch Management Support Center (2013–2015)
- Selected as the Life Education Account System Institute (2014)
- Selected for the Seoul Metropolitan University Specialization Project (2014~2018)
- Selected as the Agriculture Meister University in Gyeonggi-do (2014)
- Selected for the Research Village Project (2015)
- Selected for the University Creative Asset Utilization Support Project (2015–2017)



# Global Education Connecting the World with Students

Global University, Hankyong National University, Pursuing Dreams for All around the World

# Flying around the World!

# **Exchange Student Program**

Hankyong National University has made a student exchange program agreement with international universities. Students participating in the program can have their class credits recognized. Each participating university offers scholarship funding for the program.

# Leading Official Development Assistance (ODA) University

Korea became a country of helping others rather than one receiving economic help from others a few decades ago. Social interest in ODA has grown only in recent years, but Hankyong National University has pursued the ODA program for over ten years. We have offered advanced agricultural technology to underdeveloped countries and, based on the knowhow of promoting experts in international development and cooperation, Hankyong National University has become a leading ODA university in collaboration with KOICA.

- Making exchange agreements with 75 organizations and universities around the world
- Operating 2+2 dual degree program with international universities

# International Language Program

The program allows students to attend institutes operated by international sister universities and improve their language skills. During summer and winter, students can participate in the program for four to five weeks in countries such as China, the Philippines, Canada, and Australia.

# Korean Language Program

With global network, Hankyong National University operates a Korean language program each semester (spring, summer, fall, and winter) for exchange students from international sister universities as well as foreign students and overseas Koreans. Diverse benefits such as scholarships for outstanding grades are offered to students, and, upon completing the program, students are eligible for enrolling in the university.

# **Scholarship for Foreign Students**

• Enrollment Excellence support of residential expenses for foreign (new or transfer) undergraduate students • Scholarships for Foreign Students within top 10% of foreign students • Excellence in Korean Language foreign students obtaining TOPIK level 4 or above



# **International Cooperation**

45 University and 30 Organizations



# Students Participating in the Exchange Program

(2013~2017)

89 Exchange Students

138 Semester Language Program

237 Language Program

**65** International Field Trip

26 KOICA



80

09

# Campus Life

As a university for growing big dreams for all, Hankyong National University offers the best facilities and welfare to students.

# **Central Library**

Since 1965, the central library has served as the focal point of cultivating knowledge and research for students, faculty members, and university staff members. It offers over 1,000 study seats, over 420,000 Korean and international books, and over 15,000 non-book materials, periodicals, and audiobooks. In addition, the library boasts numerous seminar rooms for group studying, an electronic information room (for watching lecture videos), electronic contents service, and dissertation service connected to the National Assembly Library and National Library of Korea, fulfilling a core function of the university as information provider as well as a cultural function.

# **Common Experiment & Practice Center**

The center manages and operates equipment for research and educational purposes. It supports creative experiments and practices to nurture professional individuals as well as conducting lab analyses for the university, research institutes, and venture companies.

# **Dorms**

Hankyong National University is operating four dorms that can house 860 students. The facilities prioritize students with outstanding grades as well as those from long distances. Each facility is equipped with a reading room, computer room, laundry facility, cafeteria, and fitness room, offering comfort and convenience to residing students.

# **Student Center**

Hankyong National University is operating the Student Center to improve students' college experience. The center consists of student club rooms, university newspaper and broadcasting station, counseling center, public health office, banks, cafés, and restaurants.



Support Center for Disabled Students

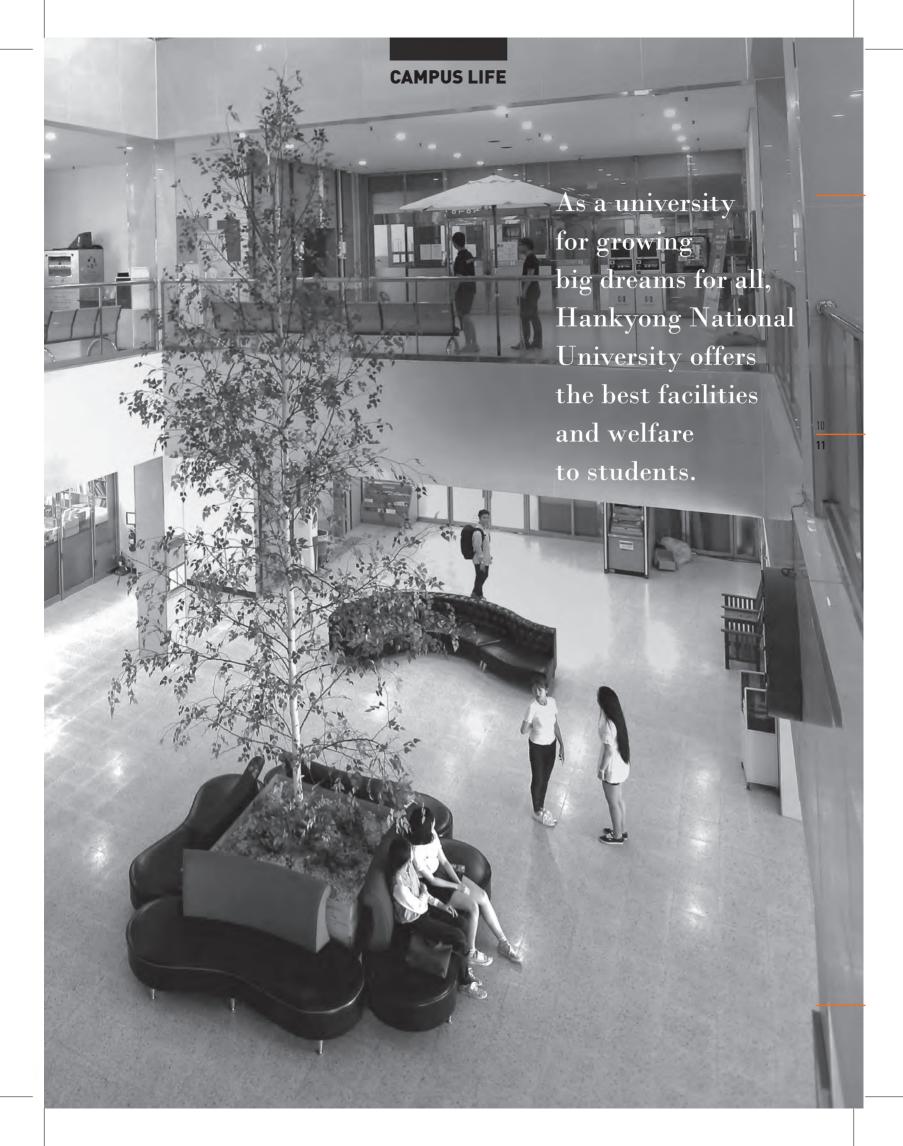


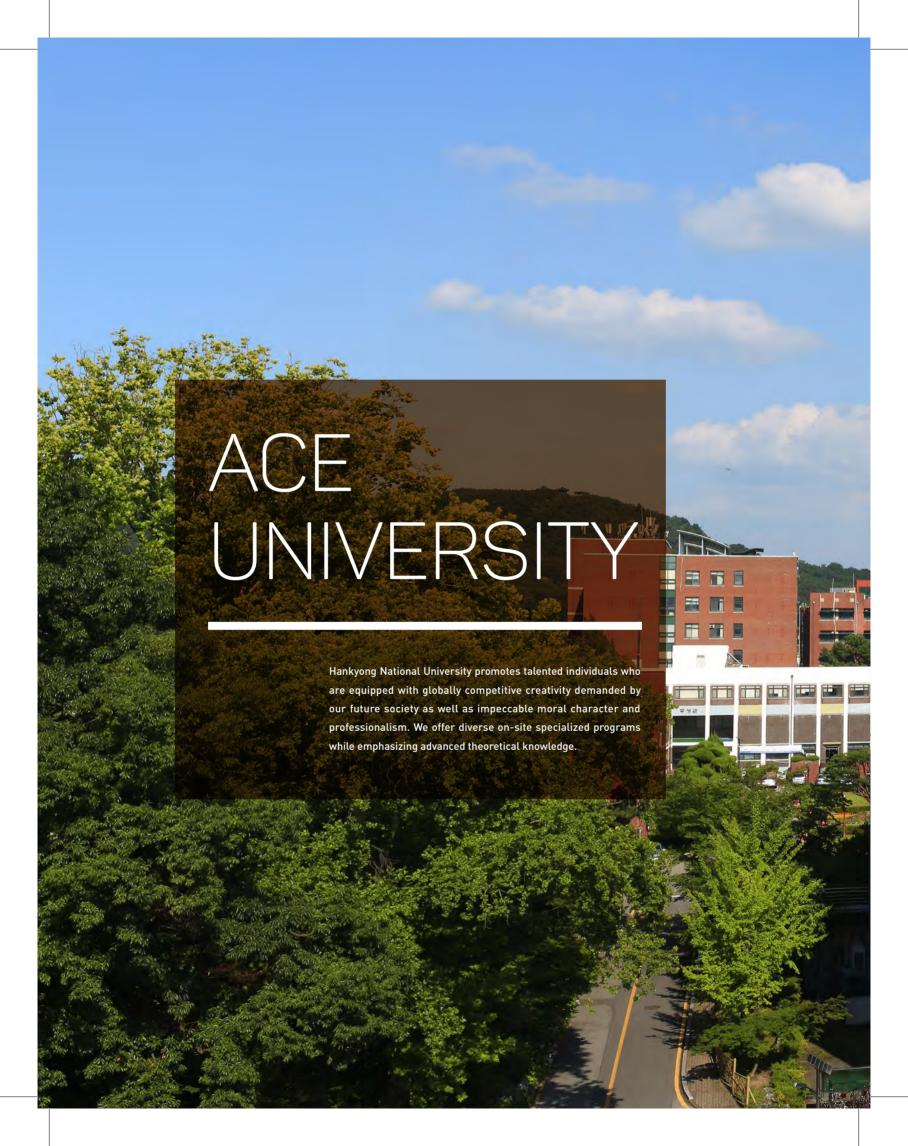
Life Education Center

Engineering Education Innovation Center











# College of Agriculture & Life Science

College of Agricultural & Life Science to lead the global development of human resources to lead the future of the life industry



Nurturing Future Leaders to Create Integrated, Innovative Agricultural Technology through Specialized Education

### **Plant & Enviromental Science**

We share basic biolgical and scientific knowlege to help understand plant growth and development and the principle of plant reproduction, and provide training centering on agricultural management practices such as production technologies for plant for food, medicine, and special purpose, the processing and distribution of products, and agricultural management analysis.

# **Animal Life and Environment Science**

Recently, the animal life industry is expanding its scope into the various fields of wild animals, fish, and laboratory animals, and its also becoming a composite industry covering the production of clone animals and the development of biomass energy using by products. We are aiming at cultivating professional people for animal life engineering, food hygiene, and the international animal industry. We became Korea's first organization to acquire certification for environmentally friendly agricultural products in 2005, and a venture company of the departmentm, Hankyoung Ham, even won a prize at the 'Frankfurt Meat and Meat Processing Exposition(IFFA)'

### **Horticulture Life Science**

While horticulture is recently expanding its footing in the agricultural industry, We are aiming at cultivating professional horticulturists. We have a variety of laboratories eithin the department to lead practice-oriented traing, and our Curricula also includes field practice at domestic and foreign research institutes and organization. Currently, our students are nourishing their dreams of becoming professional horticulturists in Peru, Ecuador, Uzbekistan, and Ethiopia.

# **Bioresources & Rural Systems Engineering**

We develop the basis for utilizing natural resourses, increasing the income of local residents by automating crop production facilities, improving the local environment, and studying the knowledge and technology concerning projects that are related with national land development. The Department of Bioresources & Rural Systems Engineering is displaying excellence outcomes, such as winning the Excellent Award through the JOB Map Project held by the Ministry of Agriculture and Forestry in 2011 and being selected for the Rural Amenity Resources Survey Project organized by the Rural Development Administration.

### **Biotechnology**

Biotechnology is the area of study that has the unlimited potential to resolve the food shortage issues and environmental contamination issues that humanity is faced with, and also helps with the development of alternative energies. We have developed an academy-industry-research institue field practice system with biotechnology-related industries, and are making an effort to cultivate talented people for the world through training in environmentally friendly technologies ion Asia, training in environmentally friendly development and surveys, dispatching volunteers for KOICA, and through on-site at the PCC center in the Philippines.



UNDERGRADUATE SCHOOL

# College of Engineering

Dedicated to nurturing hands-on scientists and engineers with creative minds to haul the national development of Korea.

# Civil, Safety & Environmental Engineering

The Department of Civil Engineering, the Department of Safety Engineering, and the Department of Environmental Engineering were integrated into a single department for interdisciplinary exchage and convergence. Civil engineering plans, designs, and maintains social infrastructure facilities in a safer and more environmental friendly manner. Safety engineering produces safety experts who have engineering knowledge and practical safety management knowledge. Environmental engineering studies rhe natural ecosystem and envionmental policies and focuses on life enjoyment within the harmony between man and nature.

### **Architecture**

The School of Architecture applies today's advanced science and technology to the urban planning and archirecture fields. We have Korea's best structure laboratory and operate an international exchange program with leading universities in Asia. We are also focusing on developing the best experts in the environmentally friendly and space creation fields, through various efforts, including the development of environmentally friendly design techniques, the development of green materials and construction methods, and the study of environmentally friendly energy plans.

# Chemical engineering

We are producing professionals in the biotechnology (BT), nanotechnology (NT), information technology (IT), and renewable energy fields, where chemical engineering takes charge in the advanced future society. We opened a course for the teaching profession, targeting the acquisition of a license for class 2 regular middle school teachers in 2003, and opened an intensive course in chemical engineering (ABEEK) in 2007 as part of the effort to increase the quality of education while helping students develop a sense of the field through various practical courses.

# Food & Biotechnology

We study energy that humanity requires foe survival, various processing technologies, storage methods, and active physiological substances included in food. In addition, we are culivating competent engineers perfect for various food industries throuth a joint cooperation system betwen academy-industry-research institutes. In addition we operate an international exchange program with leading universities outside the country, such as Clemson University in America, to produce excellent global food specialists.

### **Computer Engineering**

Korea is faced with a manpower shortage in the software field, while the paradigm of the global IT and software industry is rapidly changing. In response to these circumstances we provide systematic training for theory and skills covering various computer languages, web and internet programming technique, electronic commerce, and mobile computing, to produce competitive software engineers.

# **Electrical, Electronic and Control Engineering**

The department of electrical, electronic and control engineering at HKNU aims to nurture professional manpower with outstanding skills in electrical engineering, electronic engineering and control engineering to contribute to the development of advanced technologies for the 21st Century. The department offers educational programs that involve hands-on training, the retraining of active workers, and academic-industry cooperation and research/development systems for specialized learning.

# Design

The Department of Design operates communication desigin, marketing training, and UX and digital contests training in an integrated manner in order to cultivate designers who communicate, rather than simply deliver images. We hold a Design Camp 3 nights and 4 days every year in order to enhance students'expressiveness in design and persuasivenes, and also invite expert designers from the field to instill students with a sense of actual field operation.

### **Mechanical Engineering**

Be one of the leaders in tomorrow's technology! The Mechanical Engineering(MECH) at HKNU is educating future leaders with solid mechanical engineering background and strong social commitment. The MECH program is designed to maximize the practical engineering skills of the students. The creativity of the students is continuously stimulated and developed through a variety of state-of-the-art courses. Career path of graduates from Department of Mechanical Engineering at HKNU has a wide spectrum as the study is widely used in industrial fields including automotive industry, heavy industry, power plant, appliance company, and so on.



# College of Natural Science

College of Natural Science aims to train with holistic and creative personality that can be led by knowledge-based society of the 21st century by studying the applications were based on patural science.



Producing Talented
Individuals in Science
to Lead Our Future
Technology through
Basic Science

# Landscape Architecture

We are becoming a stronghold department in the metropolitan area, producing 800 or more graduate, including 300 or more people trained through commissioned education over the past 10 years. We aim to produce the talented people required in the professional areas of plannig, design, construction, and management, in order to produce specialized researchers and industrial manpower who can cope with the changes in the constuction and landscape architecture areas.

### **Clothing Industry**

We aim at cultivating professinal who can be engaged in the clothing business, training students to learn about all aspects of clothing and develop a view to positively accept fashion trends that always change. The graduation show provides students the opportunity to share their academic knowledge zccumulated over 4years, and also elevates the skills of prospective graduates.

# **Nutrition & Culinary Science**

The main goal of our program is to cultivate professionals for a comprehensive knowledge and creative research skills in the customized nutritional science and food service sector, which will arise in the current and future environment of information and knowledge. We provide a variety of learning opportunities to help students become nutrition and cooking experts, while attending school. We train students to develop skills required to professionals who can lead 21st century's food and restaurant businesses. Up to 95% of students graduated with a dietitian license in 2015. In addition the Cooking Club, and autonomous organization, won a number of prizes in a variety of cooking competitions. As described we are making an effort to cultivate experts in nutrition and culinary science who are both creative and skillful.

# **Child & Family Welfare**

The consept of child and family welfare has expanded recently, due to child development, the multicultural phenomena displayed in international cociety, children's human rights, and the welfare issues of families. Through the Curricula, students can obtain a class 2 social worker's license, a class 2 child minder's license, and a healthy family specialist's license. We are currently operating the Ggumnamu Safe School through the sponsorship of the Gyeonggi Provincial Office and Anseong City, providing high quality day care services to elementary school students of low-income families and double-income families.

### **Applied Mathematics**

We intended to help students learn basic knowledge in the field of mathematics through a process of thinking and applying such knowledge to overall phenomena in society. We teach our students with not only purely academic subjects but also applied mathematics such as statistics and computers, so that they can work as professionals in mathematics-related fields.

# **Sports Science**

By combining various disciplines from natural science to humanities, social science, and leisure recreation into the curriculum, we are helping students to choose a career that fits their aptitudes. Enrolled students are also involved to partake in various activities. World female professional boxing champion Danbi Kim and the law tennis team are ranked high among Korean sports entities. We have a variety of equipment for a number of leisure sports, such as skin-scuba diving, wind surfing, water-skiing, aerial sports, skiing, and snowboarding, and a variety of testing and practice equipment that intensifies student practice.

# **UNDERGRADUATE SCHOOL**

# College of Humanities & Social Science

Focused on nurturing talented manpower with professional knowledge and skills required for today's globalized society of knowledge and information.



Learning
How to Communicate
with the World through
Liberal Arts Knowledge
and Imagination

### **Business Administration**

Business administration is a field of social science that deals with social phenomena in the industrial society in the age of digitalization and globalization. We teach our students the theories and techniques that can be applied in management organizations. Students are cultivated into professional manpower with creative ideas as business managers with deep insight into their social roles.

# **Public Administration**

We are focusing on cultivating people who can actively cope with the currents of the times along with the trends of globalization, digitalization, and localization. We have developed an expansive human network through a number of commissioned education services for high ranking public officials of the Gyeonggi Provincial Office, cities, and counties, and are producing a number of successful candidates for civil service examinations each year.

### Law

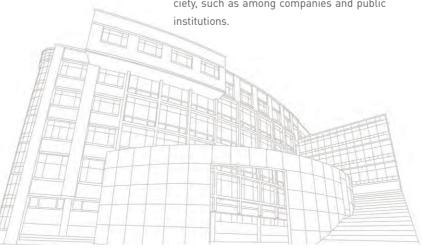
The Department of Law aims at cultivating talented people required in realizing the ideals of the democratic state, constitutional state. and welfare state, and is working hard to pioneer new fields that combine practical subjects and science and technology, in addition to subjects that cover basic laws, civil procedure codes, and constitutional procedure codes. We are consentrating all resources into enriching the education of law as the demand for people who have majored in law is increasing in many sections of society, such as among companies and public institutions.

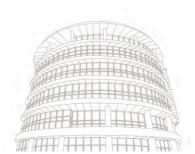
# **English**

We aim at cultivating professionals with fluent English and an extensive knowledge of British and American culture. Through the TOEIC Contest and English Speech Contest as well as the English Drama Festival, we encourage students to enhance their practical English proficiency and creativity. The English magazine, Hankyong Chronicle, is contributing to the enhancement of student's writing and planning ability. The Research Center for British and American Language and Culture plays a pivotal role in developing the foundation for research on British and American culture, English linguistics, and English education, as well as research exchange with related institutions.

# **Creative Writing and Literary Arts**

The Department aims ar cultivating professional specializing in literature who can fulfill the culture demands of a quickly changing society. Based on systematic training covering all aspects of literature, we cultivate professionals with multidisciplinary knowledge and experts foe the culture industry, which combines literature and information technology.







# General Graduate School

Development of creative talented individuals with leadership qualities through grounded theory of learning and higher academic research

# **Department of**

# Plant Life Science & Horticulture (Master)

There are 4 parts in the major: Crop Physiology and Biochemistry, Soil Science, Pesticide Science, and Molecular Crop Breeding. Dept. of Global logistics offers M.S. in Logistics and courses at night and weekend.

### **Department of**

# Animal Life and Environment Science (Ph.D)

Animal Life and Environmental Sciences is divided into three major sections. Animal Life Sciences, Dairy Life Sciences and Animal Materials Science. Major in Animal Life and Environmental Sciences is studying from traditional and modern studies, including animal nutrition, animal breeding, reproductive physiology, specification management, farm facilities and environmental science, animal disease management, biotechnology companies informatics, meat and milk processing science, to studies with high technology, such as food and microbial fermentation engineering, animal biotechnology, genetic engineering, cell engineering. Animal Life and Environmental Sciences has acquired the basic and applied knowledge in related disciplines, and to explore and analyze new technologies and training to maximize animal productivity by applying it to further talent to contribute to the improvement of human health and welfare and the environment the targeting.

# Department of

# Bioresources & Rural Systems Engineering

### (Master

Department of Bioresources & Rural Systems Engineering aims to develop effective management of local resource, systematically research academics related to improvement of productivity, contribute to academic performance and technical development, and nurture professional human resource to play a leading role in reinforcing farming competitiveness and abundant locality construction.

### **Department of**

# Civil, Safety & Environmental Engineering [Master/Ph.D]

Civil Engineering, Safety Engineering and Environment Engineering are combined while creating synergy between departments. Civil Engineering aims to explore knowledge to maintain as well as plan, design and construct social infra more safely, economically, and environment-friendly. Safety Engineering aims at preventing large-scale industrial disaster and fostering management talents, while Environment Engineering aims at acquiring knowledge in new generation energy and natural biology, and fostering specialized talents in solving environment field.

# Department of

# Architecture & Architectral Engineering [Master]

**Major of Architecture:** Education of creative professionals with leadership and advanced knowledge in architectural design, theory and history through research.

Major of Arghitectural Engineering: Education of creative professionals with leadership and advanced knowledge in architectural design, theory and history through research

### **Department of**

### Chemical Engineering (Master/Ph.D)

Our department offers academic programs that prepare students to master physical, chemical, and biological processes and engineering design. In addition to these traditional goals of chemical engineering, our programs are also closely related to ET (Environmental & energy technology), NT (Nano-technology), IT (Information technology) as well as BT(bio-technology).

# Department of

# Food Science & Biotechnology (Master)

There are 4 major parts in the department: Food chemistry & analysis, Microbiology & fermentation, Food processing, Food engineering.

# General Graduate School



### **Department of**

# Computer & Web Information Engineering [Master]

It aims at acquiring knowledge about hardware and software consisting of computer, and nurturing design and development capacity. It also raises talents with theory and practicality in the field of computer engineering. In addition, it fosters professional research capacity and flexible academic research, while contributing to development of new computer engineering technology and theory.

# **Department of**

# $\frac{\textbf{Electrical Eletronic, and Control Engineering}}{[Master/Ph.D]}$

There are 3 majors in the department: Electrical Engineering, Electronic Engineering, and Control Engineering.

# Department of

# **Communication Design** (Master)

It aims at educational course to foster specialized designers including collection, reading, speaking, writing of materials. Detailed majors include photographs, design management, identity, typography, visual special effect, UXD, creativeness education, edu-tainment.

### **Department of**

# Mechanical Engineering (Master)

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# Department of

# Landscape Architecture (Master)

It aims at nurturing value and problem consciousness through deep consideration to our living environment, educating creative course of such research, and educating various knowledge and technology necessary to expressing trouble-shooting and its result. The curriculum asks for scientific analysis based upon analysis or methodology, understanding professional cases, history, theory, design, etc and establishing new knowledge system.

# Department of

# **Human Ecology** (Master)

Major of Clothing Industry: Graduate course in the department of human ecology was established in 2013. Graduate course divided into food and nutrition, and clothing industry. In order to train researchers, teachers and industrial experts who works in the research and academic area of clothing, the main curriculum in the course of masters are as follows; clothing construction, fashion design, textile design, korean traditional costume. The department carry out a specialized and systematical academy and research activity for graduate school.

Major of Nutrition&Culinary Science: The main goal of our program is to cultivate professionals for a comprehensive knowledge and creative research skills in the customized nutritional science and food service sector, which will arise in the current and future environment of information and knowledge. We train students to develop skills required to professionals who can lead 21st century's food and restaurant businesses. We provide a variety of learning opportunities to help students become experts in the field of nutrition and cooking science.

# NO NO.

# Department of Aplied Mathematics (Master)

In the Department of Applied Mathematics, students are encouraged to widen the mathematical knowledge in order that they would be specialized mathematical researchers. Also we encourage the students to achieve the ability of applying the mathematical theory to real problems.

# Department of Public Administration (Master)

Department of Public Administration(DPA) was established in 1994 and our graduates have been demonstrated the leadership in their professions. Our dedication to excellence in all fields of executive, public enterprises, and international organization and our encouragement of leadership in diverse fields are evident. We focus on the government and public sector organizing principles and policy formation and implementation field with powerful grounding of advanced knowledge.

# **Department of**

# **Language and Literature Arts** (Master)

**GRADUATE SCHOOL** 

The Department of Language and Literary Arts provides two majors, one in English Language and Literature and the other in Media Creative Writing and Literary Arts. The major in English language and literature focuses on comprehensive training in all areas of English linguistics, literature, and education, pursuing the ultimate goal of fostering the global leader with an outstanding proficiency of English. The major of Media Creative Writing and Literary Arts is intended to train prospective culture planners by offering a wide range of courses related to literary theories and field work for creative writing. The curriculum in both majors is based on the educational philosophy that all the theoretical training should be followed by the practical performance of creative work and legitimate consideration of social issues.

# Plant Biotechnology (Master)

The major of plant biotechnology utilizes various gene manipulation and molecular breeding technologies to improve the plant production from environmental factors with abiotic and biotic stresses and do molecular research on biological phenomenon of plant.

# **Animal Biotechnology** (Master)

Our department provides students with future career in medicine, food, animals, plants, environment, and other industries related to the fields of biosciences.

# Convergence of Information and Communication Engineering (Ph.D)

This program provides advanced research and education to nurture talent in the field of information and communication technology in order to cope with a highly knowledge-based ICT (Information, Communication and Technology) society.



# **Graduate School** of Technology

# Department of Green Bio Industry ALL (Master)

This graduate course trains professionals accustomed to academic theory and applied technology to lead the future on the field of green biotechnology industry facing situations that require environmentally management scheme suitable for the future of the agricultural industry due to changes of global climate and ecosystems.

# Department of Plant Engineering (Master)

As you see the fact that Korean business occupies more than 70% of overseas plant market, plant industry is paid an attention as a potential leader of construction field. It is expected by the government that by 2025 new market for energy-plant field will emerge with financial size of about 103trillion won. On the other hand, Korea had a number of plant specialists in the past, however at present, the situation is right the opposite. The Dept.has securd Korea's competitive overseas plant construction industry, while contributing to phenomenon of lack in specialized human resources as a result of overseas construction market expansions.

# <u>Department of</u> Child and Family Welfare (Master)

Major in Child & Family: Department of Children and Family aims at cultivating healthy family specialists in childcare, family counseling, healthy family support and multi-cultural phenomenon in global international society and childcare and family support specialists by acquiring healthy family specialists certificate.

Major in Social Welfare: The Major in Social Welfare is dedicated to the pursuit, advancement, and transmission of the most up-to-date knowledge of a broad range of social policies and interventions in Korea. The department is committed to build a welfare state which seeks to prevent and alleviate social problems, build the capacity of individuals, families or communities and advance social justice and harmony.

# Department of Sports Science (Master)

With the advent of a leisure society resulting from advances in information and technology, the Exercise, Sport, & Leisure studies major emphasizes the training of professional leaders through a systematic and scientific knowledge of sports, exercise, leisure, recreation, and advanced training techniques. Designed to prepare expertise in coaching, managing and supervising sports for the creation of a new health culture. The Exercise, Sport, & Leisure studies major offers instruction on methods and theories needed to take an active part in administrative institutions, commercial sports centers and local community facilities. Therefore, students who want to major in Exercise, Sport, & Leisure studies shall need to possess not only physical strength but also expertise in all areas of particular sports.

# <u>Department of</u> <u>Industrial System Engineering</u> (Master)

Industrial System Engineering is called as other similar names: Industrial Engineering, Industrial Management, or Industial Information Engineering. Indutrial System Engineering is ranged in the fusion field of engineering and management. Therefore, it deals not only opertical problems in industrial fields, production, quality, cost, delivery, and safety, but also strategic problems in organizational management, account and finance, marketing and technology management.



# **Graduate School** of Public Policy

# **Graduate School** of International **Development** and Cooperation

### Department of

# **Educational Administration (Master)**

The educational administration is to enhance theoretical and practical skills about all administrative for education and to promote the efficiency of educational administration in Korea.

# **Department of Global Logisics** (Master)

There are 3 majors in the department: Green logistics, International logistics, and Intra-logistics. Dept. of Global logistics offers M.S. in Logistics and courses at night and weekend.

# Department of Labor Welfare (Master)

Labor welfare and issues of social policy is the core of modern society as a key indicator of quality life and an essential task. Nevertheless, the problem of labor welfare remains unfinished, Also, Labour and Welfare Policy for the need of advanced societies are being constantly raised. The Department of Labor welfare and labor policies are studied (Master of Public Administration) and social work majors (Masters City Council Welfare) and two majors is operating, social work majors can be related courses upon completion of a social worker qualifications.

# Department of Legal Affairs (Master)

Department of legal affairs aims to explore how law is organized, realized and how it should be implemented in our current society. Through the help of relevant literature and historical records, theories in each field of law can be further researched and through debating with the experts at hand on certain real event topics and visiting and communicating with the direct stake-holders of the issue, down-toearth research is pursued that trains the students as well. One can choose to minor in Public Law (the Constitution and Administrative Law), in Civil Law, in Criminal Law, or in basic laws. It also becomes a place of mutual exchange for various experts ranging from public officers in the Executive, Legislative and Police department, to corporate employees and hands-on staff on law study in the department.



# Department of **International Development & Cooperation**

Our university has a Master of International Development and Cooperation. It is related annually over the long-term course of experts and officials in developing countries around Asia, and Africa. The Department of International Development Cooperation has focused on human resources for Official Development Assistance(ODA). We have been studied about the MDGs and we are going to study and training new SDGs. In addition, a full-time professor and research professor have been performed the International development cooperation on agriculture. Our goal is to improve the discerning and improving business performance of international cooperation for in the other country.

# Department of **Global Business** (Master)

The department of global business provides business professionals with education that reflects current trends in global marketplace and train business professionals with business theory and practice in globalized environment.

