

KOREA AEROSPACE UNIVERSITY



SOARING TOWARD

A GREATER WORLD

For a Greater World For Greater Talent For a Greater Future

KAU is
going beyond limitations and
changing the world.

With boundless potential,
KAU soars toward a greater world.

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CREATE NEW ROUTES

If it were possible for everyone, anyone would make history.

If we had followed the path others created, we would have never been able to
open a new chapter in the field of aerospace.

On the path we pioneered, KAU continues the infinite journey of challenge.



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PLUS

· Aerospace ^{PLUS} specialized education and research fields

CONVERGENCE

· Convergence education collapsing the boundaries of education and majors

SPACE

· SPACE Graduation Certification reflecting 'SPACE Core Competence'

463

· The number of students who participated in the global Aerospace Industry-Academia cooperation program

1986

· Established the first flight training institution in Korea.

1999

· Designated as the first institution of air traffic control in Korea.

90.1%

· Annual maintained employment rate

3,371

· Annual scholarship per student (USD)

BEYOND THE BOUNDARIES

Building on our expertise in aerospace studies, KAU continues to innovate the framework of education and research in line with the transformations in the future. Through our founding principle that fosters pioneering spirit, KAU will lead the world as we overcome boundaries and create new paths.

LEADING THE INNOVATION



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LEADING THE INNOVATION

LEAD THE WORLD

LEAD THE
FUTURE

3L

LEAD
TECHNOLOGY

LEAD
HUMANITY

【 KAU's New Directions Toward the Future 】

Borderless University

KAU moves forward as the University that fosters convergence-based creative and innovative students who will lead in the era of Industry 4.0 with innovative academic structure and curricula.

- Breaking down borders between industries and academia, universities, academic departments (majors), and disciplines

Student-Centered University

KAU moves forward as the University where students actively participate in designing the education system (regulations and coursework) in pursuit of learning, the essence of education.

- Student-centered coursework design, self-motivated education and career development

Specializing in Aerospace and Working with the Community

KAU moves forward as the University which creates synergetic effects through Industry-Academia and Community-Academia collaborations in the field of Aerospace studies.

- Reinforcing Industry-University-Research joint projects in the specialized areas of Aerospace studies and expanding Community Outreach programs

LEAD THE FUTURE

As an aerospace-centered university,
KAU is overcoming limitations and
designing futures that nobody has ever imagined.



Korea Aerospace University



Training global leaders with creative education

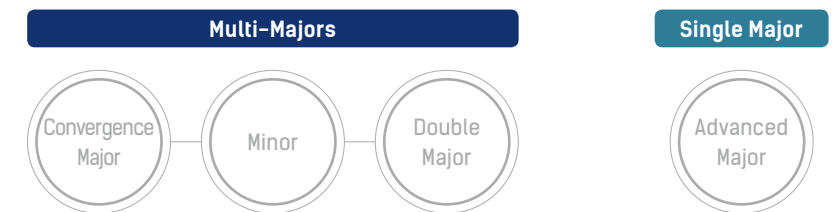
To be prepared for the uncertain future, we need creative and innovative leaders equipped with problem-solving capabilities who know how to utilize great reservoirs of knowledge. In addition to majors, KAU offers opportunities for students to complete minors, double majors, advanced majors, and convergence majors, to prepare them to become the leaders in the future.



CREATIVE
CONVERGENCE
EDUCATION

Convergence-based Multi-Majors

Based on industry needs, we focus on cultivating talent through convergence and complex academic structures rather than concentrating on a single-major structure,



Convergence and Interdisciplinary Majors: Collapsing the Boundaries of Education

To keep up with the disappearing industrial boundaries and the rising importance of convergence-based high technologies and innovations, KAU has introduced curricula of convergence majors to cope with the rapidly changing industry trends.



Academic Structure Encompassing All the fields of Aerospace

Undergraduate School

College of Engineering :

School of Aerospace and Mechanical Engineering-Aerospace Engineering, Aircraft Systems Engineering, Mechanical Engineering
School of Electronics and Information Engineering-Electronics and Avionics Engineering, Information and Telecommunication Engineering
Department of Software
Department of Materials Engineering

College of Aviation and Management :

School of Air Transport and Logistics-Air Transport, Logistics, Air & Space Law
School of Business Administration-Business Administration, Global Aviation Management
Department of Aeronautical Science and Flight Operation

Graduate School

Graduate School

- Master's/Doctor's degree : Aerospace & Mechanical Engineering, Electronics & Information Engineering, Computer Engineering, Materials Engineering, Air Transport, Transportation and Logistics, Business Administration, English, Air & Space Law(Master's degree), Aviation Management (including Ph. D. in Air & Space Law)

Graduate School of Aviation & Management

- Aviation Industry Group(Master) : Technology-Management, Aviation Management (Doctoral courses in Air & Space Law included)
- Business Administration Group (Master) : Business Administration, Airline Management, Tourism Management
- Advanced Management Program

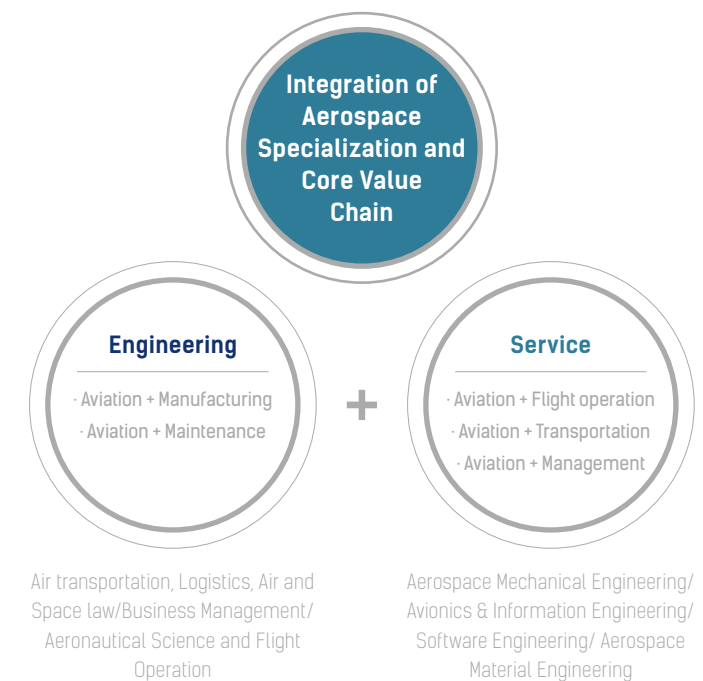
Unique and Specialized

KAU has selected “Aviation Service” and “Aviation Engineering” as the Aerospace ^{PLUS} Education Programs for the potential fields of future industries. As a specialized university in aerospace, KAU cultivates human resources to lead the future of the global aerospace industry.

THE ONE AND ONLY KAU



Aerospace ^{PLUS} Specialized Education Programs



The First Flight Training and Air Traffic Control Institutions in Korea

KAU started flight training in 1955 and has been operating various pilot training programs in its own three flight training centers in Susaek (Goyang, Gyeonggi-do), Jungseok (Seogwipo, Jeju-do), and Uljin (Uljin, Gyeongsangbuk-do), as well as the other flight training centers in the United States. For anyone who dreams of becoming an air traffic controller, KAU established Aviation Control Training Center in 1999 as an official training institution that teaches theory and practice.

Aerospace-Oriented Liberal Arts Courses

Students in all majors at KAU must take the compulsory courses “Air and Space Industry” and “Introduction to Aeronautics” in order to master the fundamentals in the field of aerospace and complete aviation simulator courses.

Air and Space Industry

- Understanding the basic concepts of aerospace industries
- Knowledge of flight operations, air traffic controls, and the aerospace industry

Introduction to Aeronautics

- Fundamental concepts of aeronautics
- Development of aircrafts, principles and equipment of flight, knowledge in application of aeronautics

Creating the value of future technology by leading in the global industry

KAU provides various collaborative programs with global aviation and aerospace enterprises to expand students' horizons.



GLOBAL INDUSTRY ACADEMIA COOPERATION PROGRAM

Joint Courses with ICAO (International Civil Aviation Organization)

Through a partnership, ICAO and KAU offer "Flipped Learning" where the students are taught 100% in English based on the online courses from ICAO and the offline courses provided by KAU's professors. These courses focus on the global standard education for human resources development in the aviation sectors.

Partnership with Globally-renowned Aviation Companies

Executives from globally-renowned aviation companies such as Boeing, Airbus, and Lockheed Martin, partake in an annual discussion with students about aerospace industry trends. In addition, students are teamed up with their mentors and work together to win the competitions. The winners of each Global Aerospace Challenge Program will earn a chance to visit the headquarters of the leading aviation companies.

BOEING DAY
(A Foundation of Innovation)
Sponsored by
BOEING

Designing next-generation aircraft with innovative ideas

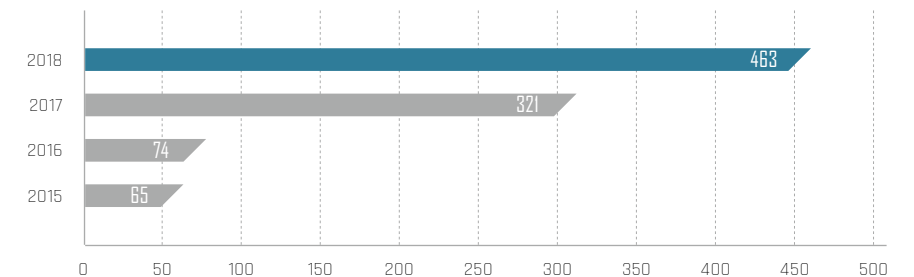
AIRBUS IDI
(Fly Your IDEAs)
Sponsored by
AIRBUS

Designing aerial vehicles by using students' own blueprint and tools

Falcon Challenger
(Aerospace+STEM=ASTEM)
Sponsored by
Lockheed Martin

Conducting multifaceted aviation-related projects with local high school students

The number of students who participated in the global aerospace industry-academia cooperation programs



LEAD TECHNOLOGY



KAU has led the field of aerospace studies with outstanding technology and innovation. Through UAV, satellites, air traffic control, avionics, as well as aircraft test, evaluation, and certification, we are still expanding abroad and toward the future.



Cultivating human resources beyond limitations in the field of aerospace research

The strength of universities comes from their educational curricula and research. KAU has been strategically supporting five specialized fields in aerospace research by providing research funds, coordinating cooperative research projects with the industry, and gathering talented researchers. Our achievements improve education and create a virtuous cycle of education and research.

CREATION & INNOVATION



Five Specialized Research Fields in Aerospace Studies

※ In 2018

UAV

Projects

- "Development of KULAV (Korean Unmanned Logistical Air Vehicle) Based Tactical Logistics Convergence System," Ministry of Science and ICT (Professor Yoon-seok Chang)
- "Development of Multi-Copter CAM System Operating on Broadcasting Vehicle" Ministry of Science and ICT (Professor Yong-kyu Song)
- "Pest Control System Construction via Pest Monitoring UAV and Cropdusting UAV Development," Ministry of Agriculture, Food and Rural Affairs (Professor Yong-kyu Song)

Total Research Funds (USD)

178 million

Satellite and Rocket

Projects

- "Analysis of Internal Flow Field and Performance Prediction in Severely Forced Pressure Perturbation," Ministry of Land, Infrastructure, and Transport (Professor Hong-gye Sung)
- "Development of a Low Emission Combustor for 25kn Aero Gas Turbine," Ministry of Trade, Industry and Energy (Professor Ja-ye Koo)
- "Analysis of Control Moment Gyro Development for LEO High Agility Satellite" LIG Nex1 (Professor Hwa-suk Oh)

Total Research Funds (USD)

179 million

Avionics

Projects

- "Development of Flexible and Extensible GNSS Network Technology Accommodating Diversity of Navigation Satellites and Receivers," Ministry of Science and ICT (Professor Hyeong-keun Lee)
- "Development for the conical shaped multi-functional integrated atmosphere data system for supersonic aircraft," Ministry of Trade, Industry and Energy (Professor Jong-whoa Na)
- "SoC Design for Flight Control Systems of Miniaturized and Light-weight Drone" Ministry of Trade, Industry and Energy (Professor Yun-ho Jung)

Total Research Funds (USD)

3.2 million

Air Traffic Management

Projects

- "Establishment of the Second Basic Plans for the Extension of Gimhae International Airport Passenger Terminal and its Feasibility Study," Ministry of Land, Infrastructure, and Transport (Professor Byung-jong Kim)
- "Establishment of Efficient Network Construction Plans for Local Airports," Ministry of Land, Infrastructure, and Transport (Professor Won-kyu Kim)
- "Research of Airspace Traffic Prediction and Fast-Time Simulation" Ministry of Land, Infrastructure, and Transport (Professor Keum-jin Lee)

Total Research Funds (USD)

5.9 million

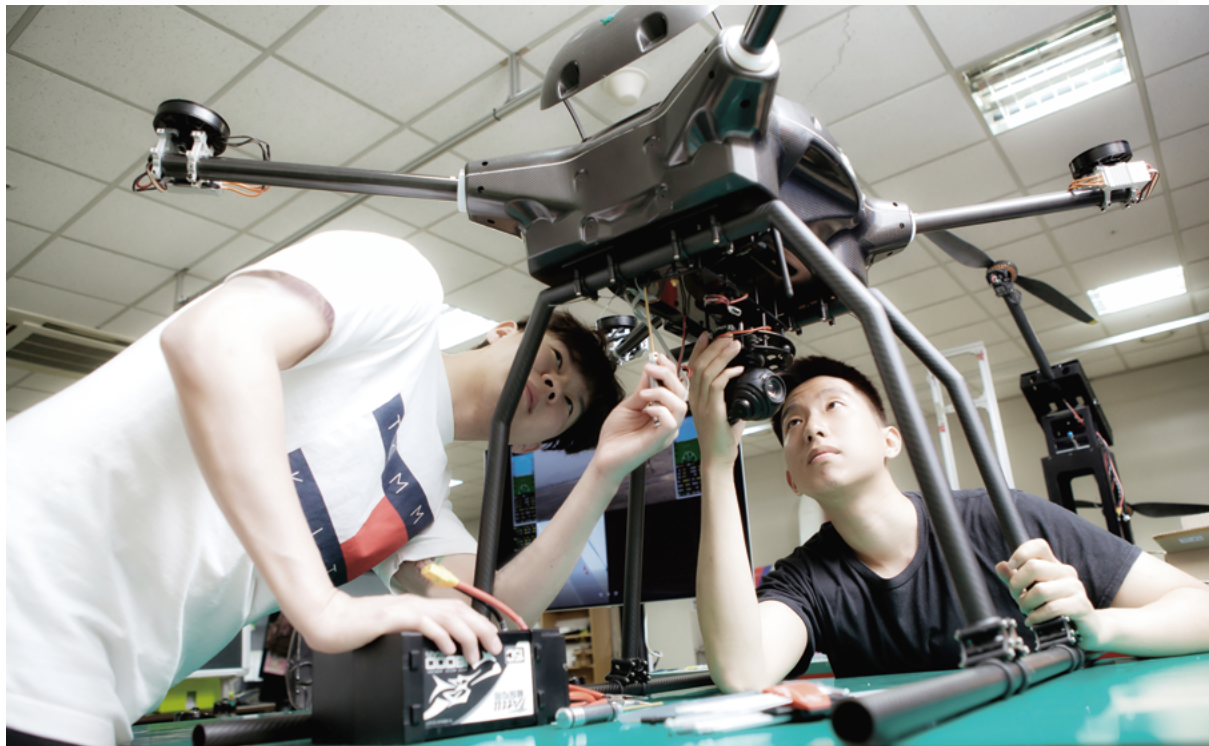
Air Craft Test and Evaluation, Certification

Projects

- "Establishment of National General Flight Examination Infrastructure" Ministry of Land, Infrastructure, and Transport (Professor Ja-young Kang)
- "Modeling and Simulation of Aircraft Subsystem for Six Degree of Freedom Analysis Tool," Korea Aerospace industries (Professor Sang-ho Ko)
- "Consideration of Necessity For Assessment System Of Engine Tendency Analysis" KAI (Professor Joo-ho Choi)

Total Research Funds (USD)

5.6 million



Leading Korea's UAV research through Advanced UAS Research Center at KAU

After the successful launch of an autonomous formation flight in 2009, KAU has consistently produced outstanding achievements such as (1) flying an unmanned photovoltaic aircraft for 12 consecutive hours in 2012, (2) developing an unmanned pesticide-spraying helicopter in 2013, (3) becoming the first pilot project operator selected by the Ministry of Land, Infrastructure, and Transport in 2015, and (4) developing the drones for delivering military supplies in 2016. The Advanced UAS Research Center (Director: Professor Yong-gyu Song) was established in 2011 and has since improved its combined research capabilities on structure and controls of the unmanned aerial vehicles, previously conducted separately at other laboratories.

World-class technology in the automated handling equipment for light-weight freight

The technology for automated equipment of lightweight freight handling, developed by Dr. Yun-seok Jang at UTAC (Ubiquitous Technology Application Research Center), is an automatic cargo-handling system that has successfully operated only in few advanced countries such as Japan and European states. This system was developed primarily based on Industry 4.0 for the purpose of the real-time remote monitoring and controlling at the multiple warehouses. It has gained massive popularity in Europe and the US because it can be applied in unmanned warehouses. In 2016, it was introduced to a global semiconductor company and successfully localized in Korea as well. KAU was selected and awarded for its excellence in research and design by the Ministry of Land, Infrastructure, and Transport in 2018.

Research projects of Gyeonggi Regional Research Center (GRRC)

The GRRC projects have aimed at developing professional talents and technology for the next-generation broadcasting industry, with the cooperation between the government, industry, and academia since 2008. The broadcasting industry is the main industry of Goyang City that has invigorated the regional economy, creating synergetic effects with the GRRC projects. The Gyeonggi Techno Park project promotes the local industries by assisting small and medium-sized companies and R&D departments in the local area. The GRRC has helped enhance the research capabilities by providing professional advice and coaching services for the researchers from affiliated laboratories and/or R&D departments, and by consulting with them on specific challenging issues, often resulting in the commercialization of their products.

INNOVATIVE R&D



LEAD HUMANITY

Humanity has always been at the center of KAU's path of exceptional achievements. We are educating globally competitive, convergent, and creative individuals with humanity and dignity that can respond to the era of Industry 4.0.



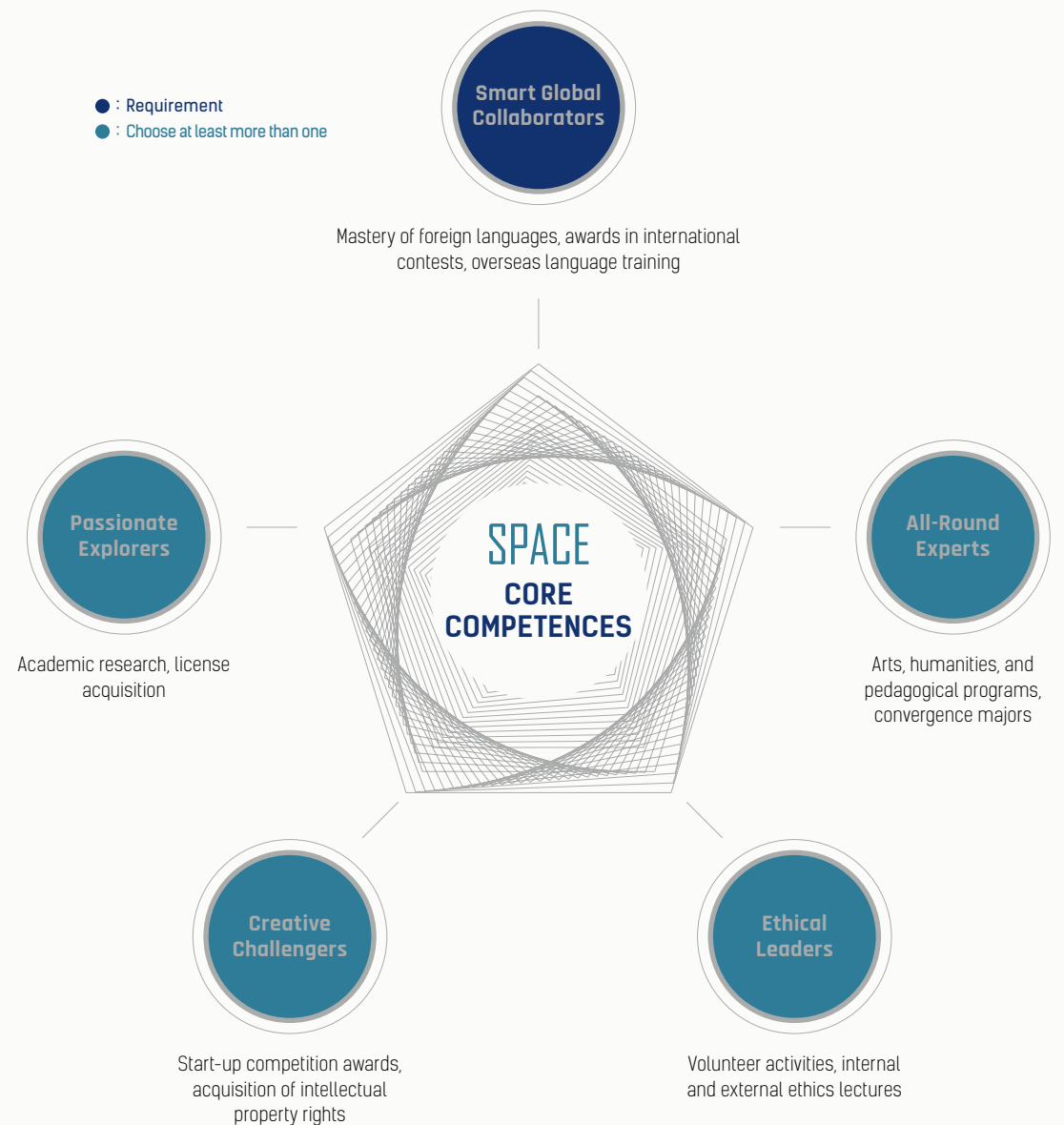
Educating excellent students to realize the virtue of coexistence

KAU emphasizes humanism as humanity will be the only competitive edge for us in the future as we coexist with robots. We educate excellent students with "SPACE Graduation Certification" based on SPACE core competencies to foster their talent with both humanity and international outlook.

SMART, PASSIONATE, ALL-ROUND, CREATIVE, ETHICAL



Students must receive more than two certifications to graduate. This will help them create their own curriculum and/or extramural curriculum portfolios with their own stories.



Proceeding to the world stage

KAU is partnered with more than 60 universities and institutions around the world to broaden students’ perspectives and foster open-minded thinking.

GLOBAL INSIGHT, GLOBAL PROGRAM



Various programs
to enhance global
competitiveness

International Summer Program (ISP) / www.kauisp.com

Since 2009, KAU has the offered International Summer Program (ISP) between June and July every year. The courses are offered in English and taught by renowned professors at KAU and invited from aerospace-centered universities across the world. Students can interact and network with other international students in aerospace-related majors.

Student Exchange Program

Student Exchange Program is designed for KAU students to study at one of our partner universities. Programs vary in countries, length, and objectives. This experience of studying abroad is crucial because it provides a wider perspective on international society.

North America:

(USA) Embry Riddle Aeronautical University, Purdue University, Kent State University, University of North Dakota, (Canada) Centennial College, etc.

Europe:

(Netherlands) Delft University of Technology, (Germany) Worms University, Bremen University, (Finland) University of Vaasa, etc.

Asia & Oceania:

(China) Northwestern Polytechnic University, (Hong Kong) Hong Kong Polytechnic University, (Japan) Kobe Gakuin University (Australia) Central Queensland University, etc.

Internship Programs and Visit to World-renowned Aviation Companies

Students may observe gloal trends by temporarily working at world-renowned aviation institutions and corporations such as NASA, Boeing, Airbus, amd Lockheed Martin, and build work experience and network through international internship programs at University of Southern California (USC) and University of Nevada Las Vegas (UNLV) in the United States, and The University of Rennes in France.

Global Buddy & Mentor Program

Students can either become global “buddies” or “mentors” to help international students adapt to their new school environment. The mentors help the newly admitted students with school life, cultural differences, the local language, study guides, and career counseling.

Programs for International Students

GLOBAL CAMPUS ENVIRONMENT



Korean Language Education Center (KLEC)

The Korean Language Education Center (KLEC) was established in June 2005, to meet the growing demand from international students for intensive academic Korean language training. The KLEC offers comprehensive Korean Courses focusing on those who want to enter Korea Aerospace University as well as other colleges in Korea.



Global Track & General Track

Language	Admission Type	Academic Department	Major
Global Track (English Track) TOEFL (iBT) 71 or EPTA Level 4	Freshman (4-years)	School of Open-Major	Air Traffic Management Aviation Management
	Transfer (2-years)	School of Air Transport & Logistics	Air Traffic Management
General Track (Korean Track) TOPIK Level 4	Freshman (4-years)	* The international students admitted through General Track (Korea Track) can apply to any Academic Department and Major. * Please see page 11 for the List of KAU Undergraduate Departments and Majors.	
	Transfer (2-years)		

KAU International Student Service Center

The KAU International Student Service Center assists all international and exchange/visiting students in achieving their very best in terms of day-to-day life, from the moment they enter KAU until they graduate.

Campus life and Counseling Support

- Orientation for incoming international students
- Personal counseling related to campus life
- Guidance on Visa and Alien Registration issues
- Housing and insurance matters
- Global Buddy program
- Campus events such as City Tour, Field Day, International Student Festival

Academic Support

- Academic support in Course registration, Certificate issuance, and Scholarships
- Faculty Mentoring
- Student Mentoring
- Tutoring
- Speech & Writing Clinic
- Korean Language Program (TOPIK Program)

Housing and Dining

On-Campus Dormitory



Room type	Twin (2-bed-room)	Quad (4-bed-room)
Bathroom	Shared per room	Shared per floor
Fees (excluding meals)	\$ 1,000 per semester	\$ 1,700 per semester
Facilities	Wireless Internet, Resting Lounge, Study Room, Shared kitchen (per floor), Fitness Center, Laundry Room	

Serviced Apartment nearby campus is also available upon student request.

Campus Cafeteria



There is a central dining cafeteria on campus for students to eat. The choice is diverse from Korean food to Western food, Chinese food, and snacks. Besides the central campus cafeteria, each building has its own convenience store.

Scholarship for international students

Subjects	Titles	Requirements
Freshmen (Entering Semester Only)	TOPIK Scholarship	<ul style="list-style-type: none">▶ TOPIK (Test Of Proficiency In Korean) Scholarship<ul style="list-style-type: none">- Above Level 6: 100% off tuition- Above Level 5: 50% off tuition- Above Level 4: 30% off tuition▶ The Korean Language Education Center of Korea Aerospace University Recommendation Scholarship: 50% or less off tuition▶ Applicants with the recommendation from the scholarship committee▶ Applicants receiving the Korean government Overseas Scholarship are waived from paying the entrance fee.
Post Enrollment	GPA Scholarship	GPA scholarships offered to international students with high academic potential (GPA 2.5~4.3: 20%-100% off tuition)
For all International Students	Special Scholarship	<ul style="list-style-type: none">▶ Applicants receiving the recommendation of Ilwoo Foundation▶ Malaysian students studying abroad at government expense

* Students who receive a full scholarship from the Government or any other organizations shall be excluded from TOPIK and GPA scholarship programs provided by Korea Aerospace University.

** Students must take more than 12 credits per semester to apply for a GPA Scholarship



The legacy of KAU

Pioneering the development of Korea's Aviation and Aerospace industry

Since its establishment in 1952 as Korea's first civil aviation education institute, KAU has become one of Asia's leading aviation and aerospace-specialized universities.



- 1952** KAU was established in Busan and offered its first two-year Special Aviation Program under the Korean Ministry of Transportation.
- 1953** The campus was moved to Yongsan, located at 3-65, Hangangno, Yongsan-gu, Seoul. The college became a four-year Aviation University.
- 1955** KAU conducted its first flight.
- 1963** The campus was moved to its present location. (Goyang City)
- 1968** Jurisdiction over the school was transferred from the Ministry of Transportation to the Ministry of Education; the school was renamed Hankuk Aviation College.
- 1971** The Air Force ROTC program was established.
- 1979** The school was privatized and the jurisdiction was given to Jungseok Foundation. The Master's Program in the Graduate School was established.

1952 - 1979



- 1986** The Flight Training Center was established.
- 1987** The Doctoral Program in the Graduate School was established.
- 1993** The official name was changed from Hankuk Aviation College to Hankuk Aviation University.
- 1994** The Graduate School of Aviation Industry was established.
- 1995** The Center for Continuing Education was established.
- 1997** The Graduate School of Business Administration was established.
- 1999** The Air Traffic Control Education Center was established.

1980 - 1999

2000 - 2014

- 2004** The Industry-University Cooperation Foundation of Korea Aerospace University was established.
- 2007** The English name of the university was changed from Hankuk Aviation University to Korea Aerospace University.
- 2009** KAU Aerospace Museum was certified by the FAI (Federation Aeronautique Internationale) – the first case in Korea.
- 2010** The Ulsin Flight Training Center was opened.
- 2013** Jungseok-Inha Education Foundation was founded (Consolidation of Jungseok Foundation and Inha Foundation was authorized).
- 2014** Dr. Kang-woong Lee was inaugurated as the 7th president.



2015 - Present

- 2015** The School of Electronics, Telecommunications and Computer Engineering was renamed as the School of Electronics & Information Engineering and the Department of Software, respectively. The Department of Business and the Department of English were united to become the School of Business. Lecture Hall was opened.
- 2016** Convergence Majors (or Interdisciplinary Majors) were established.
- 2016** Residence Complex (Dormitory) was extended – an annex was built.
- 2018** Dr. Kang-woong Lee was inaugurated as the 8th president.
- 2018** School of Multidisciplinary Engineering and School of Aviation and Management Convergence were established.



CAMPUS MAP



Easy Access to Seoul

KAU is extensively connected to almost anywhere in the Seoul Metropolitan Area as well as Downtown Seoul via Subway, Airport Railroad, Bus, and many more means of transportation. Please check the webpage (<http://bit.ly/2EVZpef>) for more detailed information.

From Campus to Seoul Station (40 minutes)

► Subway & Airport Railroad :

Hwajeon (Gyeongui Line) → Hongik Univ.(Airport Railroad) → Seoul Station

► Bus :

Korea Aerospace Univ.(#7727) → Yonsei Univ. (#7017) → Seoul Station

From Campus to Gangnam Station (1h)

► Subway & Bus :

Hwajeon (Gyeongui Line) → Hannam Station (#421) → Gangnam Station

► Bus :

Korea Aerospace Univ. (#7727, #707) → Susaekgyo Bridge (#470) → Gangnam Station



Contact Information

International Exchange Programs & International Student Support : 82-2-300-0356~0358/international@kau.ac.kr

External Cooperation & Industry Relations : 82-2-300-0295

University Development Fund : 82-2-300-0045



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