

# AJOU UNIVERSITY



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## Facts & Figures

Foundation

1973

Colleges & Schools

10

Overseas Partnerships

320

Academic Departments

35

Total Number of Students

15,000

International Students

1,000

2<sup>nd</sup>

2018 Joong-Ang Daily Newspaper  
University Dept. Ranking (Nursing)

4<sup>th</sup>

Cumulative  
Acceptance Rate of Bar Exam

11<sup>th</sup>

2018 Joong-Ang  
Daily Newspaper  
University Ranking

21<sup>st</sup>

2018 Reuters Asia's  
Most Innovative  
Universities evaluation

146<sup>th</sup>

2018 QS  
Asian University  
Rankings

## Colleges & Schools

### College of Engineering

- Mechanical Engineering
- Industrial Engineering
- Chemical Engineering
- Materials Science and Engineering
- Applied Chemical & Biological Engineering
- Environmental and Safety Engineering
- Civil System Engineering
- Transportation System Engineering
- Architecture
- Integrative Systems Engineering

### College of Information Technology

- Electrical Engineering
- Software Engineering
- Digital Media
- Cyber Security
- Military Digital Convergence

### College of Natural Science

- Mathematics
- Physics
- Chemistry
- Life Sciences

### School of Business

- Business Administration
- e-Business
- Financial Engineering
- Global Business

### College of Humanities

- Korean Language and Literature
- English Language and Literature
- French Language and Literature
- History
- Culture and Contents

### College of Social Sciences

- Economics
- Public Administration
- Psychology
- Sociology
- Political Science and Diplomacy
- Sports and Leisure

### School of Medicine

- Medical Sciences

### College of Nursing

- Nursing Sciences

### College of Pharmacy

- Pharmacy Sciences

### Dasan University College

#### Division of International Studies (Minor)

- International Trade and Commerce
- Area Studies

#### Professional Graduate Schools

- Law School
- Graduate School of Medicine
- Graduate School of Engineering
- Graduate School of International Studies
- Graduate School of Business
- Graduate School of Public Affairs
- Graduate School of Education
- Graduate School of Information and Communication Technology
- Graduate School of Transport-ITS
- Graduate School of Public Health
- Graduate School of Clinical Dentistry
- Graduate School of IT Convergence
- Graduate School of Global Pharmaceutical Industry and Clinical Pharmacy



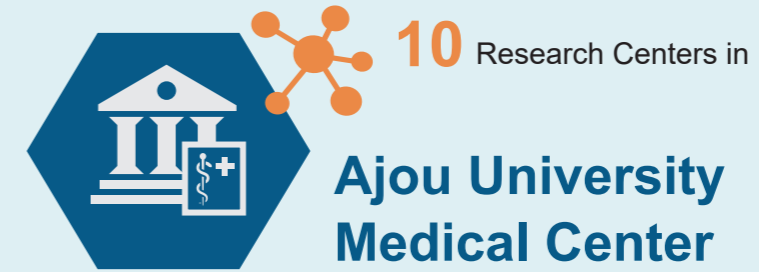
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# RESEARCH

## Major Research Centers



- Basic Science Research Institute
- Center for Korea-France Cooperation
- Education Research Institute
- Energy Systems Research Institute
- Engineering Research Institute
- Environment Research Institute
- Humanities Research Institute
- Legal Research Institute
- Management Research Institute
- Molecular Science and Technology Research Institute
- Research Center for Automotive Parts Technology
- Research Institute for Industry-Academy-Research Cooperation
- Research Institute for Information and Communication
- Research Institute for Information and Electronics Technology
- Research Institute for Nano & Information Fusion Technology
- Social Sciences Research Institute
- Suwon Development Research Center
- Transportation Research Institute
- Ubiquitous Convergence Research Institute
- World Studies Research Institute



- Institute for Medical Sciences
- Brain Disease Research Center
- Chronic Inflammatory Disease Research Center
- Research Institute for Neural Science and Technology
- Cell Therapy Center
- Center for Injury Prevention & Community Safety Promotion
- Center for Clinical Epidemiology
- Genomic Research Center for Gastroenterology
- Clinical Research Center
- Center for Cell Death Regulating Biodrug

**Over  
50 Centers**

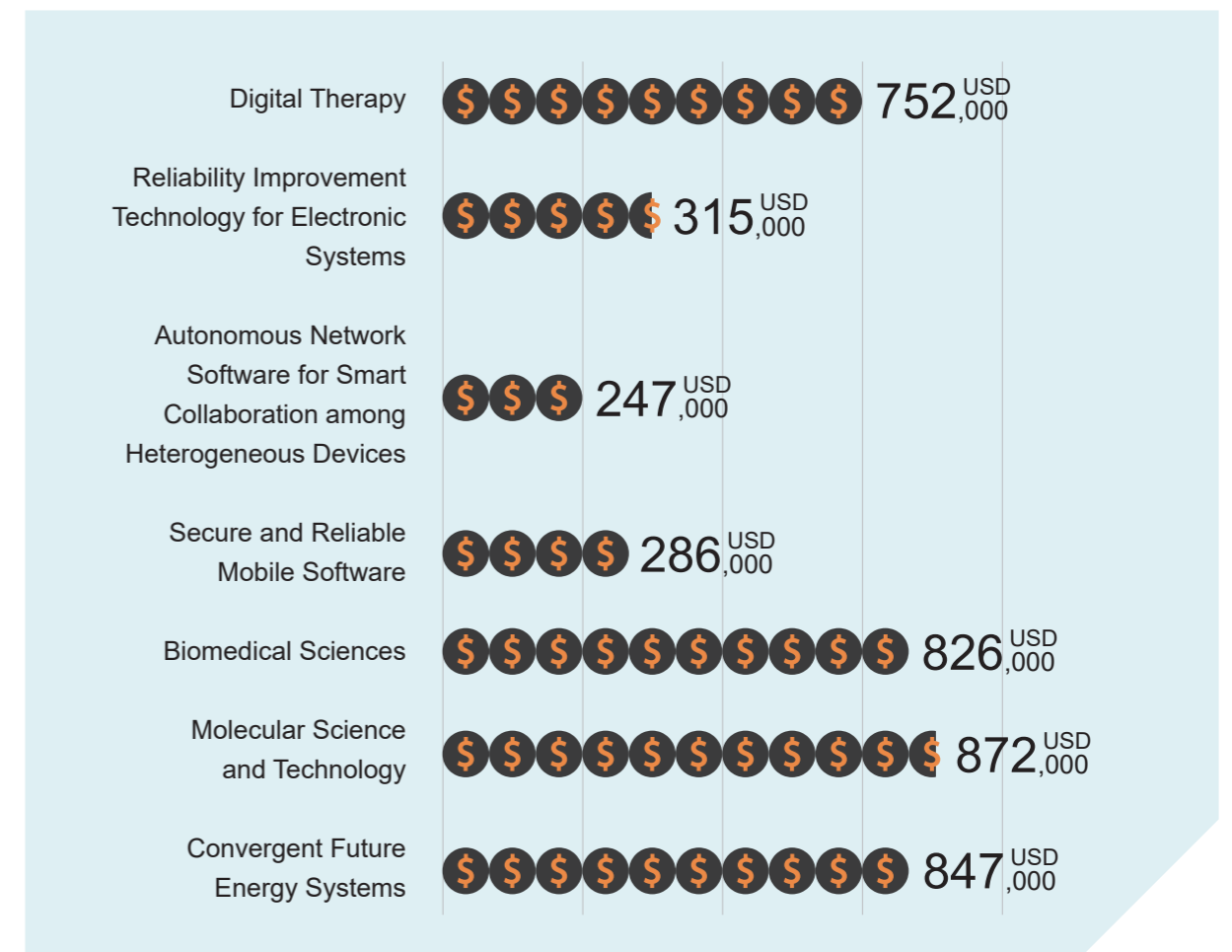


## Major Research Project - BK21 PLUS Project



**4.15** million  
USD/year  
For 7 years (2013~2020)

The largest national research/graduate education project funded by Ministry of Education



# Fields of Excellence

## Data Science

- ✓ Department of Data Science (Graduate)
- ✓ Campus-Wide Big Data Center under Planning (toward This Year Launching)
- ✓ Over 250 Faculty Members across Disciplines (Including IT, Engineering, Natural Sciences, Biomedical, Humanities, Social Sciences, Business Administration, Pharmacy etc.)

## Molecular Science and Technology

- ✓ Three-term BK (Brain Korea) Project Funding (Over 20 years)
- ✓ Contract : 9.1 million USD (2017)

## Energy Systems

- ✓ Two-term BK (Brain Korea) Project Funding (About 15 years)
- ✓ Contract : 6.0 million USD (2017)

## Medical Center

- ✓ Ranked 7<sup>th</sup> Position in Revenue
- ✓ Grand Slam for Big 4 National Research Projects
  - Research Driven Hospital / SRC / MRC / BK21 Plus
  - Total Contracts : Over 40 million USD

## Law School

- ✓ Ranked 4<sup>th</sup> Position in Lawyer Passing Rate (out of 25 Law Schools)

## Defense Technologies

- ✓ Undergraduate : Department of Military Digital Convergence
  - Contracted with ROK Air Force
  - Four-year program (30 officer candidates/year)
  - Full scholarship, full employment after graduation as a ROK air force officer (Second lieutenant)
- ✓ Undergraduate : Department of Cyber-Security
  - Four-year program (43 students/year)
  - Partially Funded by the Korea Internet and Security Agency (KISA)
  - First-term : 2015~2020 (6 years), 2.43 million USD (6 years total)
- ✓ Graduate School : Department of NCW (Network-Centric Warfare)
  - Most Students : Officer and Noncom Officer on Active Service or Retired, Defense Technology Engineers
  - Parts : NCW, Cyber-War
- ✓ Graduate School : Department of Cyber-Security
- ✓ Special Graduate School : Information, Communication and Technology
  - C4I Part (80% officer and noncom officer on active service including "general")
- ✓ Research Activities :
  - ICT Research Center Project on Tactical Networks (2006~2014, ~6.0 million USD (8 years)), Funded by Ministry of Science and ICT
  - Defense Specialized University Research Center Project on RAM (Reliability, Availability and Maintainability) (2015~2020, ~4.5 million USD (6 years)), Funded by Agency for Defense Development, Korea
  - Defense Specialized University Research Center Project on Networking Technology for Future Combat Systems (2016~2022, ~10.0 million USD (6 years)), Funded by Agency for Defense Development, Korea



## Re-Organizing Strong Research Groups

- **Big Data and AI (Ongoing)** (~250 Faculty Members)  
☞ Cooperated with Gyeonggi-do Provincial Government and Suwon-City
- **Bio and Health** (~230 Faculty Members)  
☞ Cooperated with Gwanggyo Bio-Techno Valley and CJ-Group Research Complex
- **Wireless Communications** (~70 Faculty Members)
- **Unmanned Vehicle and Drone** (~70 Faculty Members)
- **Autonomous Driving (Ongoing)** (~60 Faculty Members)  
☞ Cooperated with Gyeonggi-do Provincial Government
- **Robots and Applications** (~50 Faculty Members)
- **Game** (~30 Faculty Members)
- **Block Chain** (~30 Faculty Members)

## Research Promotions Programs

- Matching Funds for Big Projects
- Funds for Big Project Planning
- Settlement Research Funds for New Faculties
- General Research Funds for All Members
- Academic Promotion Funds (Basic)
- Academic Promotion Funds (Commitment)
- Ajou Research Awards
- Ajou Publication Awards
- Academic Activity Supports (Publication fee, Oversea travel grant, and so on)

## Industry-Academic Cooperation Foundation

- Total Contracts
  - ▷ Research Contracts : ~90 million USD (2017)
  - ▷ Technology Transfer Contracts : ~5.4 million USD (2017)

## Big Projects (16 Ongoing)

Funding Agency	Project Title	Period	Fund (million USD)	PI
Korea Health Industry Development Institute	Research-Driven Hospital	2016.04 ~2024.12	37.5	Prof. Park (Medicine)
National Research Fund (NRF)	BK21 Plus (7 projects)	2013.09 ~2020.08	25.0	Prof. Lee + 6 Profs.
Korea Agency for Infrastructure Technology Advancement	Residential Environment Research	2015.07 ~2022.07	23.5	Prof. Shin (Architecture)
Korea Health Industry Development Institute	Global Research Center for Incrementally Modified Drug	2014.07 ~2019.09	19.5	Prof. Lee (Pharmacy)
Centers for Disease Control and Prevention	Academic Research and Service Contract	2001.01 ~2020.12	18.2	Prof. Cho (Medicine)
NRF	Brain Science Source Technology Development	2016.06 ~2021.02	6.1	Prof. Cho (Medicine)
NRF	Intensive Research Center	2009.09 ~2018.08	5.3	Prof. Choi (Biology)
Agency for Defense Development	Defense Specialized University Research Center	2016.12 ~2019.10	4.8	Prof. Lim (Software)
Korea Institute for Advancement of Technology	Digital Healthcare Software Test and Evaluation Center	2016.12 ~2021.11	4.1	Prof. Lee (Software)
NRF	Science Research Center (SRC)	2015.09 ~2018.08	3.4	Prof. Cho (Medicine)
NRF	Medical Research Center (MRC)	2016.09 ~2019.08	3.0	Prof. Jou (Medicine)
Gyeonggi-Do	Gyeonggi Regional Research Center (GRRC)	2016.12 ~2019.06	2.7	Prof. Kim (Electrical)
Agency for Defense Development	Defense Specialized University Research Center	2015.12 ~2020.12	4.4	Prof. Jang (Industrial)
Institute for ICT Promotion (IITP)	University ICT Research Center	2016.06 ~2019.12	3.2	Prof. Sunwoo (Electrical)
IITP	University ICT Research Center	2018.06 ~2021.12	3.1	Prof. Kim (Electrical)
IITP	University ICT Research Center	2018.06 ~2021.12	3.0	Prof. Roh (Software)



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# GLOBAL AJOU

# GLOBAL AJOU



- Collaborative partnerships with 320 universities in about 70 countries
- 1,000 international students every semester from more than 65 countries
- International students are accepted at all levels :
  - Korean language, Undergraduate and Graduate degree programs (in Korean)
  - Exchange and Visiting student program in English at undergraduate level
  - Master's program in English : MBA, International Trade, NGO Studies, International Development and Cooperation and Energy Studies

- About 200 courses are offered in English a year (UG & PG)
- Accredited by the Korean Government for excellent management and services for international students (IEQAS) 
- A member of ISEP 
- Project for experts in Francophonie funded by Korean government: Cooperation with Organization International de la Francophonie (OIF) 

# INTERNATIONAL PROGRAMS



## Exchange & Visiting Student Program

Ajou Exchange/Visiting Program is a one-semester or one-year program for international students from all around the world. About 200 courses are offered in English every semester, and various cultural activities are organized. The nomination and the application process start 6 months prior to the beginning of each semester twice a year.

## Korean Language Program

Ajou University offers Korean language and culture program for international students, and there are two types :

AKP (Ajou Korean Program) is for foreigners and overseas Koreans who wish to apply for undergraduate/graduate school or speak Korean fluently at business level. The AFP (Ajou Foundation Program) is a pre-undergraduate program where students can prepare for entry into Ajou University.

## Short-term Program

Ajou students will have the opportunity to study overseas for 2-4 weeks at selected Ajou partner universities. During the program period (July-August & January-February) students will experience diverse cultures of the host countries.



## Dual Degree Program

Ajou University's Dual Degree is designed to nurture students with global competency in various disciplines. Student spend 2 years at Home Institution and 2 years at Ajou University and receive two diplomas from both home and host (Ajou) universities.

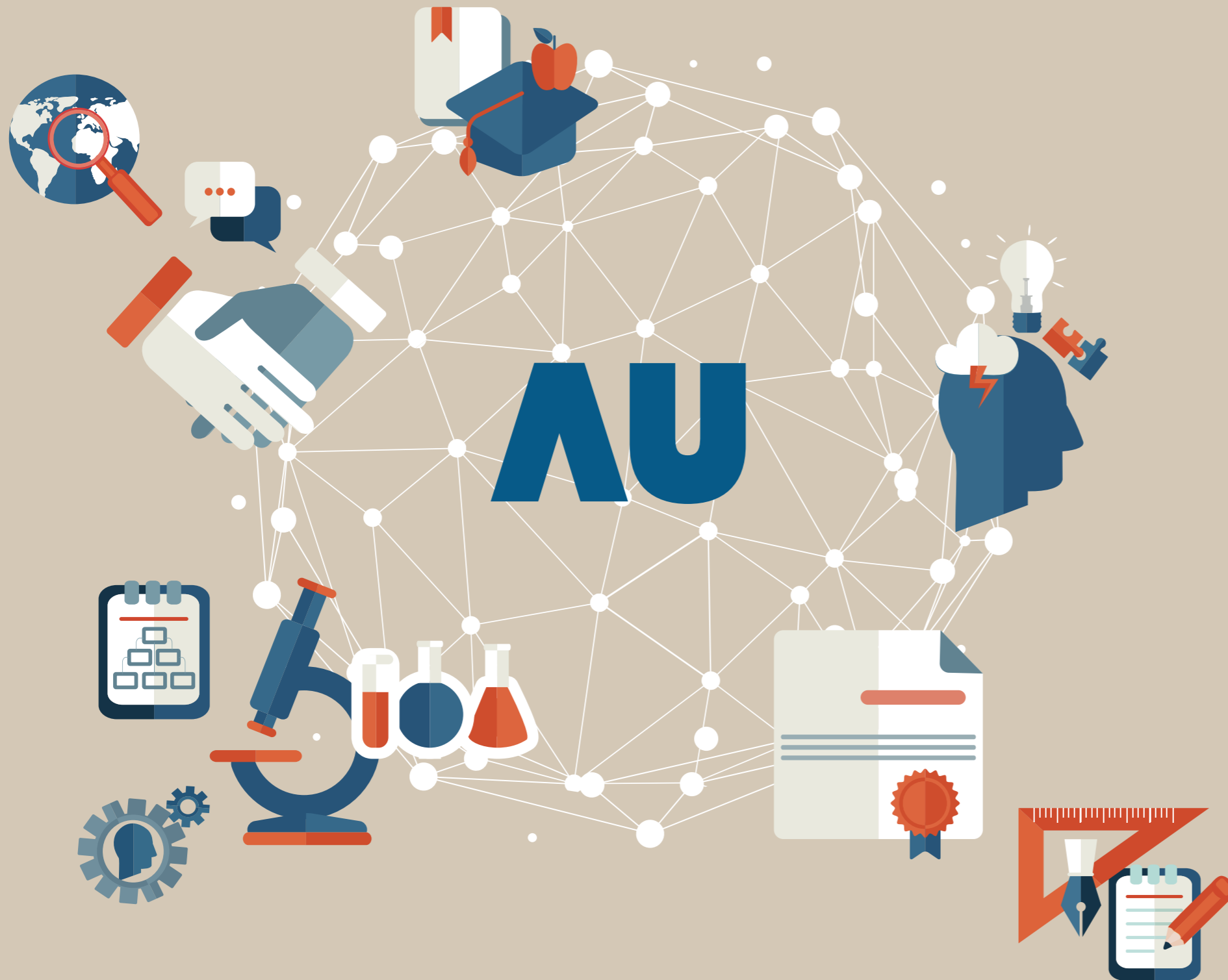
## International Admission Undergraduate & Graduate

Undergraduate and Graduate Admission are open to all international students every semester in English or in Korean. Graduate School of International Studies (GSIS) offers all courses in English for international students, and provides four majors : International Development and Cooperation, NGO Studies, International Trade, International Business and Energy Studies.

## Global Internship

Ajou offers Global Internship program to all students. Most students participate in the Global Internship spend minimum 1 month to 12 months, and can receive up to 12 credits. Every year, we send 50-80 students over 20 countries. During the internship, students can also explore future career opportunities in foreign countries.





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# CONNECTING MINDS

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## Connected Education

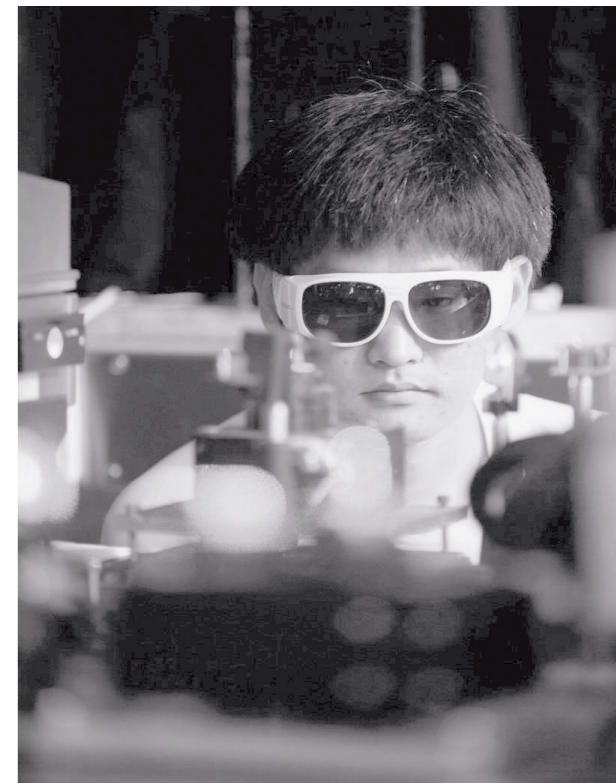
- **Paran Semester Projects**

The Paran Semester is designed to encourage Ajou students to build up their challenge spirit. Students who participate in the Paran semester can design their own project rather than taking the regular curriculum. There is no limit in the field, either an individual student or a team can apply for up to 18 credits.



## Connected Research

- **Ajou-Flagship Research Institutes**  
Big Data and AI / Bio and Health / Wireless Communications Unmanned Vehicle and Drone / Autonomous Driving / Robots and Application / Game / Block chain
- **System for Active Research**  
Innovative Research Fund for Newly Joined Scholars  
Ajou Research Awards



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## Connected Industry-Academia Cooperation

- Expansion of Technology Transfer Projects  
Heterodimeric FC-Based Anti-Cancer Drugs  
Technology Transfer Royalty : 37 million USD



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## Connected Shared Values

- Strategic partnerships to attract foreign students



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## Connected Culture

- Abundant campus opportunities beyond classrooms



**AJOU**

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# **VISION 4.0 : STRATEGIC PLAN**

- Self-Directed Highly-Interactive Educational Innovation
- High-impact Research Hubs
- Eco-System of Industry-Academia Cooperative Innovation
- Shared Values through Open Campus
- Connecting Minds and Spreading Its Culture