



Korean Government Sponsorship Summer Program for ASEAN Countries' Science and Engineering Students

2015 GKS for ASEAN Countries' Science and Engineering Students

With the sponsorship of the Korean Government, Dankook University is planning to invite excellent university students who are majoring in the fields of **computer science** and have interests in **mobile systems engineering**.

This program is designed to provide students with in-depth academic training in the science and engineering fields and invaluable experience in Korea over a **6 week period**.

This is to nurture future leaders who will contribute to the development of a global society and further friendship between Korea and their home country.

So if you are interested in this program, **you are welcome to apply**.

2015 GKS for ASEAN Countries' Science and Engineering Students

1. Period

July 6 ~ August 14, 2015 (6 weeks)

2. Eligibility

- Citizen of one of the following countries
Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Vietnam
- Current undergraduate students enrolled in 2nd to 4th year
- Majoring in computer science and have interests in mobile systems engineering
- Fluent in either English or Korean
- Mentally and physically healthy and has ability and willingness to adapt to Korean culture and life in Korea

3. Benefits

Dankook University and NIIED provide

- Round trip economy-seat flights, room and board during the duration of the program, travelers insurance, transportation from/to the airport in Korea, fees for the lectures, activities, and field trips, and any fees related to lab participation.

Participants are responsible for only

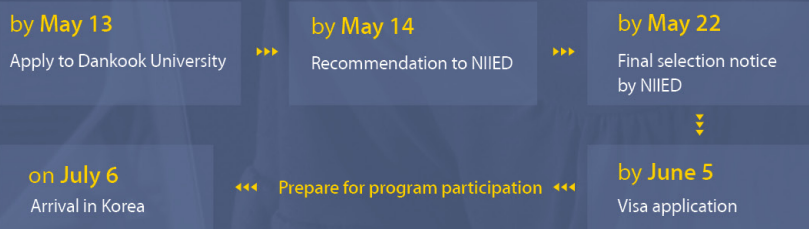
- Domestic transportation in home country, visa application fee, and personal expenses

4. Program

Orientation	Introduction to the overall program and networking with participants
Information sessions	Information about graduate program & studying abroad in Korea
Lectures & activities	In areas of computer science and mobile systems engineering Korean language, culture, and history
Field trips	Related research centers and industrial sites, science museums, cultural and historical sites
Lab participation	Conduct specific research projects under the supervision of Dankook University faculty members and mentors of graduate students
Closing	Presentation of research results and awards for the outstanding performances

5. How to apply

- Application process



- Number of students to be selected for the recommendation to NIIED

ASEAN Countries	No. of students
Brunei	2
Cambodia	2
Indonesia	3
Laos	1
Malaysia	3
Myanmar	2
Philippines	2
Singapore	3
Thailand	3
Vietnam	4
Total	25

Dankook University will recommend a total of 25 students to NIIED and NIIED will make the final selection of 20 students.

Numbers from each country can be changed depending on the number of applicants.

- Application documents

- Application (see attached template)
- Self-introduction and research plan (see attached template)
- Certificate of enrollment from the university of current enrollment
- Original copy of sealed transcript
- A letter of recommendation from faculty/professor (see attached template)
- A copy of passport information page

- Apply

- First send scanned copies of application documents to iss@dankook.ac.kr
- And then send the original copies to the following address

Office of International Affairs, #314 International Hall,
Dankook University, 152 Jukjeonro, Sujigu, Yonginsu,
Gyeonggi-do, Korea
pc. 448-701

- Application deadline: May 13, 2015

6. Lecture Descriptions

- **Fundamentals of Mobile Computing**

Popularity of mobile computers with wireless networks is a current trend in human-computer interaction technology as well as social lifestyles. The smart-phone was the first mobile computer and tablets came next, replacing the notebook which replaced the desk top computer. Mobile computing is composed of mobile communication, mobile hardware, and mobile software. Communication issues include ad hoc and infrastructure networks as well as communication properties, protocols, data formats and concrete technologies. Hardware includes mobile devices or device components. Mobile software deals with the characteristics and requirements of mobile applications.

- **Introduction to Mobile Technology and Trends**

The course provides an introduction to mobile technology and trends. Main topics will include mobile (or wireless communications) technology migration from 2nd generation(2G) to 4th generation(4G), overview of different wireless communication networks such as CDMA (Code Division Multiple Access), WCDMA (Wideband CDMA), HSPA (High Speed Packet Access) and LTE (Long Term Evolution), and the basic concept of wireless communications. The course will also deal with a brief introduction to mobile platforms like Android and iOS, and smart devices. Through this course, students will understand basic concepts of mobile technology (and wireless networks) as well as recent trends.

7. Field Trips and Cultural Activities

- **Field Trips**

SKT-um, Samsung Digital Vally, Sangam Digital Pavillion, National Science Museum, Posco, Pangyo Techno Vally, Jukjeon Digital Vally, etc.

- **Cultural Activities**

Korean language classes, Ceramics, Korean Movie, Taekwondo, Non-verbal Korean Musical, Folk Village, Temple Stay, Mud Festival, Seoul Tour, etc.

8. Accommodation



All participants will be placed in an on-campus dormitory room. Each room is furnished with single beds, pillows, desks, chairs, wardrobes, a telephone, wifi, and a private bathroom.

DANKOOK UNIVERSITY

Dankook University is a comprehensive research university, founded as the first private university after liberation in 1947. Its two-campus system is home to more than 40,000 undergraduate and graduate students. The Jukjeon campus focuses on fostering studies in the fields of IT and CT, while the Cheonan Campus specializes in BT and foreign languages.

Dankook University has academic exchange partnerships with over 300 universities and institutions from 45 different countries, offering students diverse opportunities to sharpen their global competitiveness through international exchange programs including student exchange programs, language study programs, overseas internships, dual degree programs and the International Summer School.

For application & further information

Office of International Affairs

Dankook University

Email iss@dankook.ac.kr

Phone 82-31-8005-2605



Dankook University JUKJEON Campus