| 2024 |

GLOBAL SAMSUNG SEMICONDUCTOR SPECIAL PROGRAM

at Seoul National University–ECE Department

GSSS Program at Seoul National University-ECE Department

The Global Samsung Semiconductor Special (GSSS) Program at the Department of Electrical and Computer Engineering (ECE) at Seoul National University (SNU) is designed to provide students from Southeast Asia with the opportunity to pursue a master's degree in the field of semiconductors, encompassing semiconductor devices, design, architecture, and system software.

To facilitate this, the ECE Department at SNU plans to admit these international students into its master's program, offering them full scholarships that cover all tuition and fees, along with living expenses for the two-year duration of the program. The scholarship is provided by Samsung, whereas the admission to the program is a joint decision made by SNU-ECE and Samsung.

The program's completion requirements include coursework in semiconductors, advanced Korean language education, and a master's thesis in the semiconductor field. Upon graduation, the students are obligated to join the Device Solution division of Samsung Electronics in Korea. Further detailed information about this program is available at the web site https://gsss.snu.ac.kr.

University Library

Department of ECE at SNU

The Department of ECE at SNU consists of about 1,500 students and approximately 65 professors. The professors are actively engaged in research with research funds of about 57 billion Korean won (approximately 44 million US dollars), about 27 billion from government and about 30 billion from Korean IT industry. The department has produced many outstanding graduates who have become leaders in the government, industry, and academia, driving the development of the IT industry both in Korea and worldwide. Additionally, the current faculty members are achieving excellent research and development accomplishments which are recognized globally. SNU provides dormitories for international students, offers various levels of Korean language education, and also provides the utmost convenience, including Korean cultural experience programs. https://ee.snu.ac.kr/en
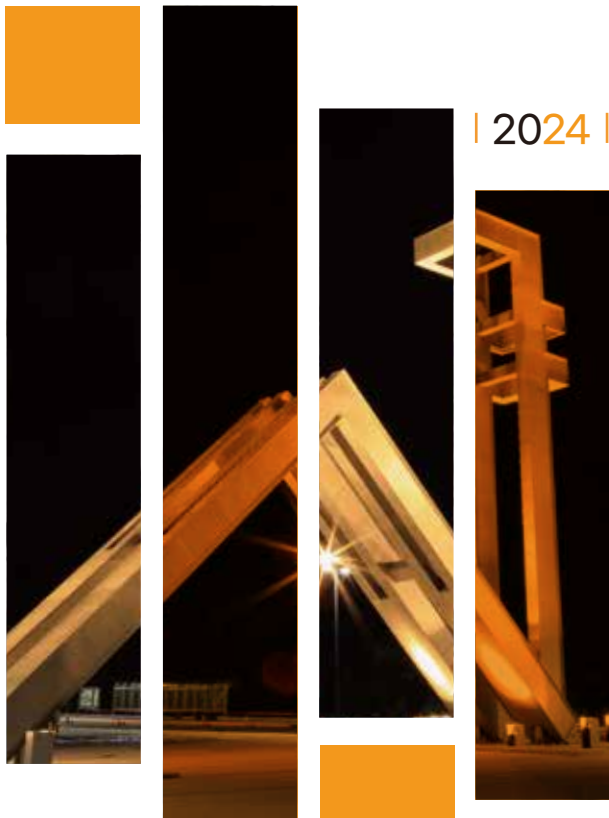
Semiconductor Research at the Department of ECE

The Department of ECE has 19 professors specializing in semiconductor research, of which seven are in circuit design, and five, four, and another five are in computer architecture/digital system design, system software, and semiconductor device/material, respectively. Most professors specializing in semiconductors have been advancing research and development through close industry-academic collaboration with Samsung Electronics. They are members of the Inter-university Semiconductor Institute at SNU which provides an environment conducive to top-level research by allowing students to have access to process equipment for hands-on semiconductor manufacturing, and also offering them with Multi-Project Wafer (MPW) opportunities with abundant copies of CAD tools for circuit design. With an excellent faculty and educational environment, the Department of ECE operates globally competitive semiconductor research program.

GSSS Program

≫ The objective of the program is to train students in the field of semiconductors during their post-graduate courses.

≫ Samsung DS and SNU select students together, and the process is a combination of the recruitment processes of Samsung and the entrance processes of SNU.

≫ Samsung DS provides a full scholarships (tuition, fees and stipends) to students, and students have an obligation to work at Samsung DS in Korea after their graduation.

≫ The requirements for completing this program include taking courses and writing a thesis related to semiconductors, and obtaining a TOPIK 3 grade before graduation.
(Samsung DS and SNU will also offer Korean language education classes.)

GLOBAL SAMSUNG SEMICONDUCTOR SPECIAL PROGRAM

How to apply for GSSS Program

Students interested in this program should fill out the application form and submit it via email.

1. Use the Application Form on the last pages of this brochure. (The MS Word File of the Application Form is also available at the web site.)

2. Fill out the Form: Open the Application Form and fill in all the required information accurately, following the form's instructions.

3. Attach Documents: Scan or save the completed Application Form in PDF format and attach it to your email along with all relevant documents.

4. Send the Email: Once you have prepared your Application Form and transcript, send an email to the following email address: You can also attach any other documents that you want to provide with your application.
   • Email Address: gsss@capp.snu.ac.kr
   • Subject: In the email subject, include "GSSSP Application" with your name and school.
   • Due date: January 15th, 2024.

5. Confirmation of Submission: After sending the email, make sure to save or print the confirmation email, if received. It's a good practice to have a clear record of having sent the email.

After a review of the submitted documents by both Seoul National University faculty members and Samsung Electronics, selected students will be interviewed.

1. Selected students will receive interview invitation emails, along with details regarding the interview date and location. The interviews are scheduled between late January and early February.

2. Seoul National University faculty members will visit the students' residing countries to conduct in-person interviews.

3. Based on the interview results, students who will participate in this program will be selected and notified via email.

Selected students will need to reapply to the Department of ECE at SNU. Relevant information can be found on Seoul National University's official website (www.snu.ac.kr).

The students selected through interviews for this program are expected to receive admission approval by ECE department unless there are any exceptional circumstances.

Furthermore, these students will join the Device Solution division of Samsung Electronics after their graduation. If you have any questions or need additional information, you can reach out via email at gsss@capp.snu.ac.kr.

SEOUL NATIONAL UNIVERSITY SAMSUNG

Financial Support

≫ All participating students will receive the financial support as follows:

- Full scholarship that covers all tuition and fees
- Living expenses for the two-year duration of the program
- Support for Advanced Korean Language Studies

Global Samsung Semiconductor Special Program at
Department of Electrical and Computer Engineering of Seoul National University

Application Form

•**Please type in English.**

•**Please feel free to attach additional sheets if necessary.**

Personal Information

English Name: _____   _____   _____
Family / Last   First   Middle (if any)
Gender: ☐ Male   ☐ Female   English Nickname: _____
Nationality: _____   Place of Birth: _____
Date of nationality acquired (DD/MM/YY): _____
Date of Birth (DD/MM/YY): _____   Marital Status: ☐ Single ☐ Married ☐ Other_____
Mailing Address: _____
E-mail: _____   Telephone: _____

Verification of Academic Records

Name of Institute: _____   Name of Department or Major: _____
(Expected) Date of Graduation(DD/MM/YY): _____
Name of Office in Charge: _____   e-mail of Staff in Charge: _____

Personal Statement

Please describe any unique characteristics of your institutions or distinctive qualities to your previous education.
Give a brief account of the curriculum and mention any set of courses which were pedagogically significant
in shaping your current academic interests.

Study Plan

Please explain in some detail your purpose in studying at Seoul National University and your plans for study.
Be as specific as you can regarding your academic interests and the curriculum you expect to follow in achieving
your goals.