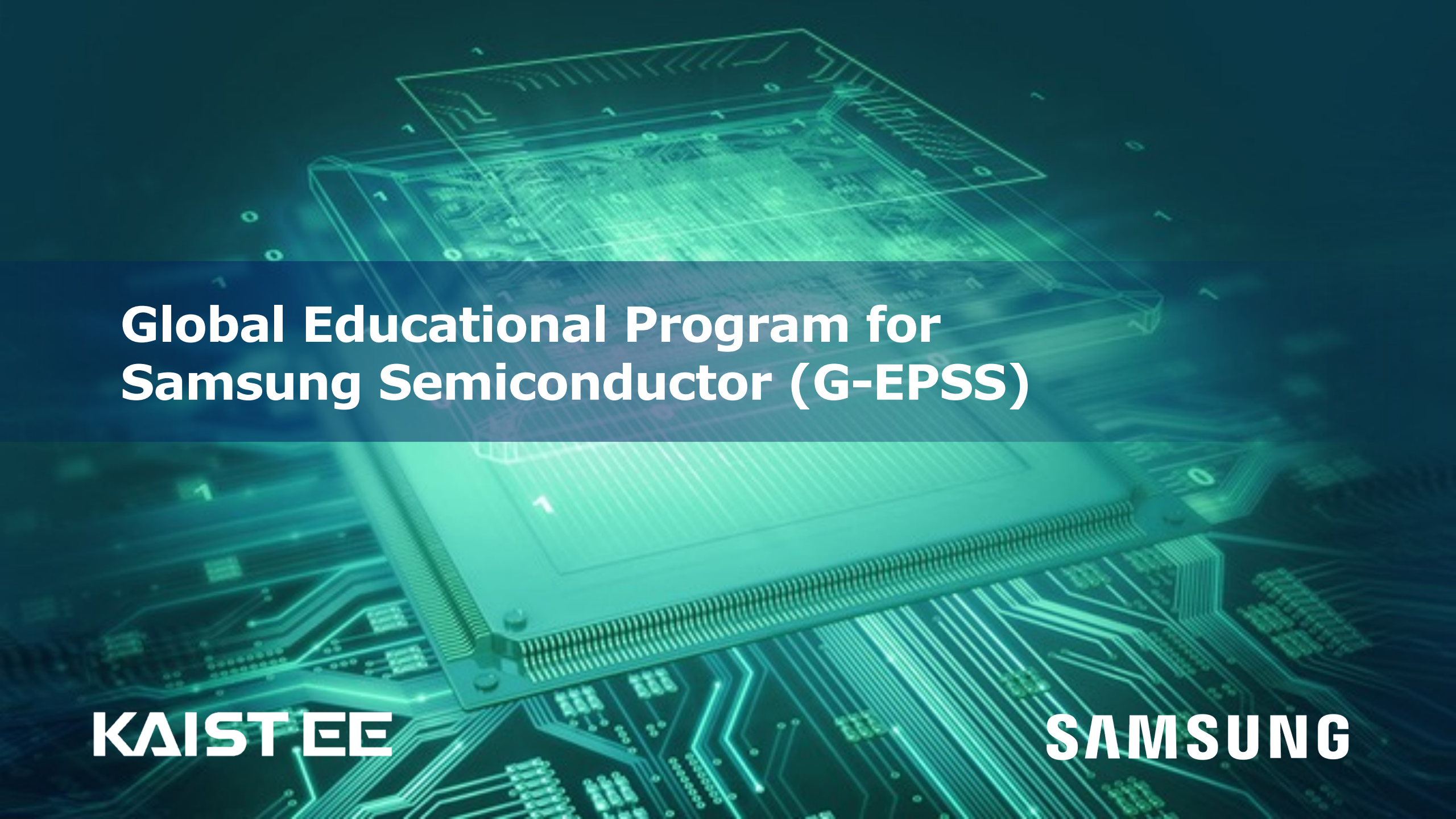

Global Educational Program for
Samsung Semiconductor (G-EPSS)
KAIST EE
SAMSUNG

Korean chipmakers

Samsung reclaims world's top spot in chip sales: Omdia

It achieved $67 billion in revenue last year; the overall semiconductor market shrank for four straight quarters in 2022

Samsung Electronics' semiconductor manufacturing facilities (Courtesy of Samsung)

Samsung Electronics Co. topped the global chipmakers with $67.1 billion in revenue last year, according to London-based tech research firm Omdia earlier this month.

The South Korean semiconductor giant reclaimed the top spot beating Intel Corp., which achieved $60.8 billion in revenue last year. The US and Korean chip producers respectively ranked top and second in 2021 revenue.

SAMSUNG KAIST

Collaboration between Samsung Electronics, the world's top semiconductor company, and KAIST, the top university in the semiconductor field, has provided best education and hands-on experience to many world-class engineers in the field of semiconductor field through **EPSS since 2005**.

It’s time to expand the program to provide **benefits to international students from emerging countries through the overseas talent training program (Global EPSS)** to bring a bigger impact to the world’s semiconductor field.

Global EPSS MISSION

The "Global" Education Program for Samsung Semiconductor (G-EPSS) starting in 2024 **aims to train world-class engineers from emerging countries** in semiconductor design, devices and processes, and related software in the field of **memory and system LSI (circuits)**.

This program provides **in-depth theory and hands-on** experience to **master's/doctoral graduate students** through the operation of **joint advisors and internships with Samsung Electronics.**

G-EPSS Program Information

- **Degree**
  - M.S. (2 years) **OR** Ph.D. Degree (4 years)
  - No M.S./Ph.D. integrated degree

- **Available Position**
  - 10 students / year

- **Eligibility**
  - Academically excellent students from top universities in emerging countries: (**Indonesia), Malaysia, Thailand, and Vietnam only.**
  - For the M.S. program, applicants must hold a bachelor's degree before the start of the program.
  - For the Ph.D. program, applicants must hold a master's degree before the start of the program.
  - Preference: Winners of international competitions such as the International Olympiad

G-EPSS Education & Research

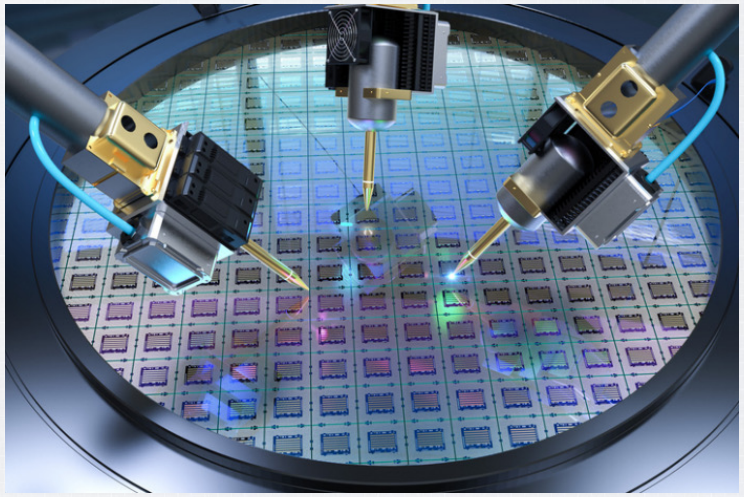
- **GEPSS provides a specialized set of courses in the semiconductor area**
  - Semiconductor process experiment
  - Memory and SoC technology
  - Special topic on electronics
  - Software engineering

- **Graduation requirements**
  - Complete a minimum of 12 units of semiconductor-related classes
  - Complete the curriculum of the School of Electrical Engineering
  - Attend Samsung internship
  - TOPIK (Test of Proficiency in Korean) score of level 3 or higher

- **Research Area**
  - Over 80 professors in the School of Electrical Engineering

Benefits of G-EPSS

- **Benefit to G-EPSS scholarship students**
  - KAIST Tuition: **~$14000 USD**
  - Monthly Stipends: **$1000USD~$1500 USD**
  - Samsung internship
  - Guaranteed employment at Samsung Electronics (*Mandatory employment with a minimum period that corresponds to twice the total year supported by Samsung)



Admission Process - Timeline

- **Application Procedures:**
  - Submit an application to regular KAIST international graduate admission and select the 'G-EPSS' program.
  - Submitted applications will be transferred to Samsung Electronics for a job interview.

- **KAIST international graduate admission**
  - Site: https://admission.kaist.ac.kr/intl-graduate

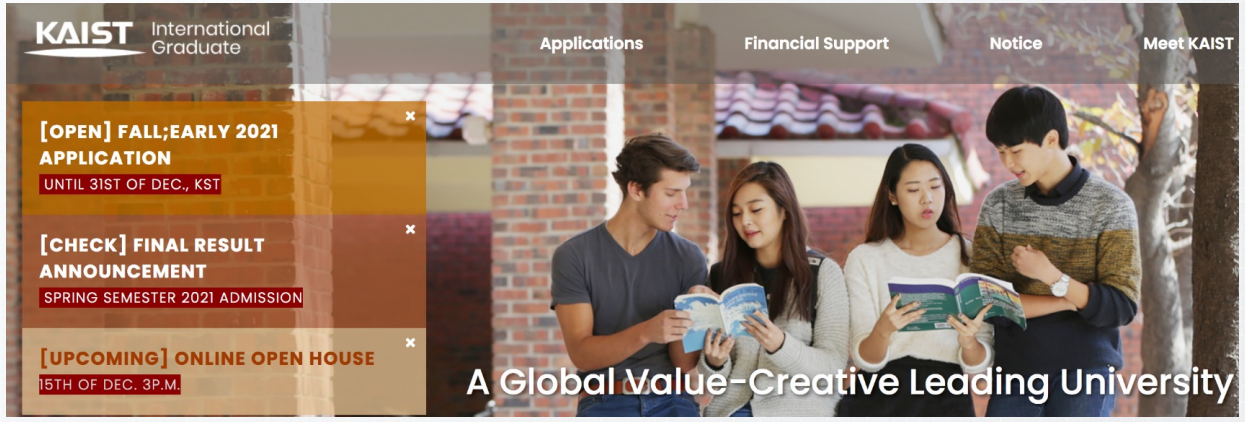
- **Admission Timeline for G-EPSS:**
  - Spring Admission: **Late August – Mid September**
  - ~~Fall Admission (Early Track): Early December – Late December~~
  - Fall Admission (Regular Track): **Late February – Late March**

2024 Fall Admission (Regular Track)

Online application period: **March 4th, 10 A.M. - March 25th, 5 P.M. 2024**

Admission Process - How

- **Step1:**
  - Same application site for all the applicants
  - https://admission.kaist.ac.kr/intl-graduate/



- **Step 2: Review is done by each department**
  - Decision is made by each individual department
  - Mainly based on the application materials
  - Might do a phone interview with potential research advisors

Admission Process - How

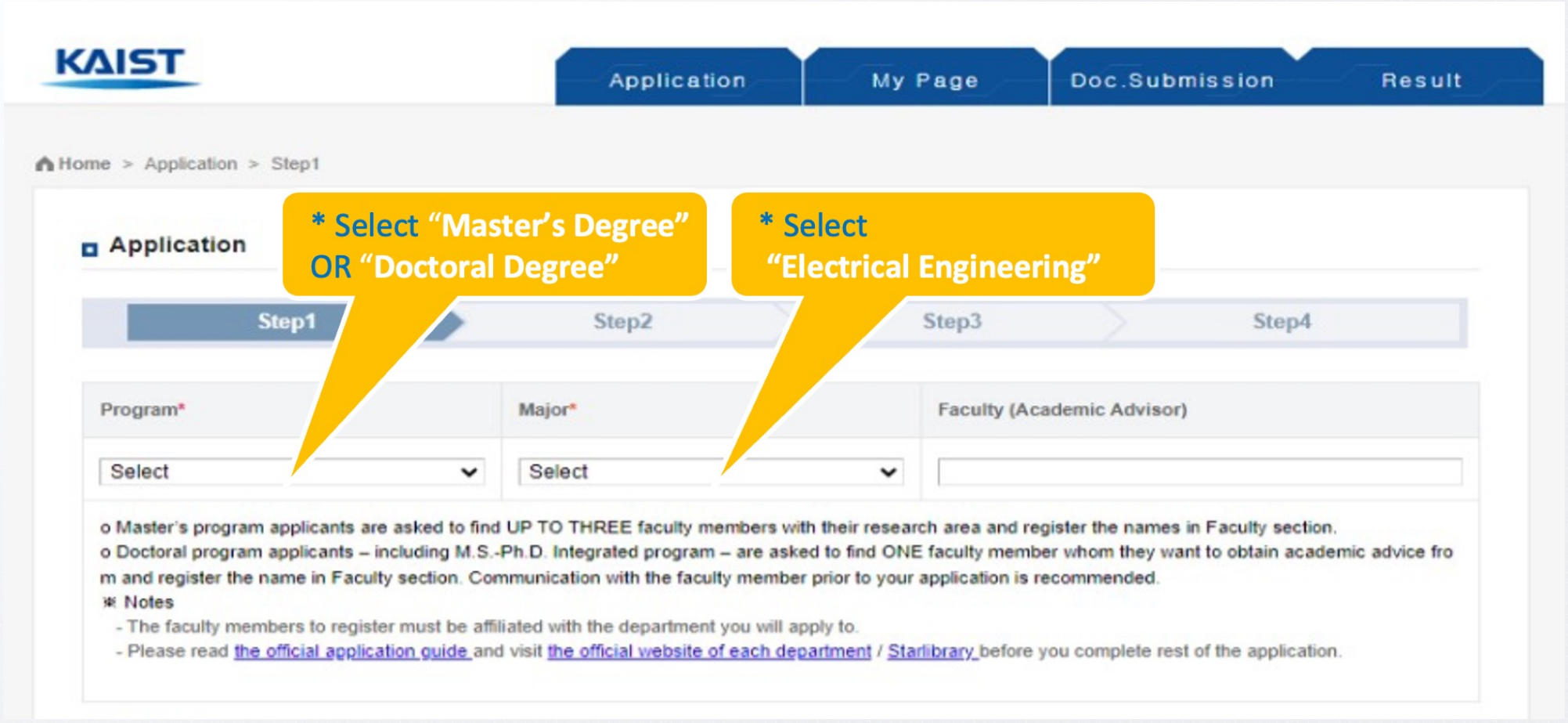
- **Regular KAIST Application Package**
  - Application form
  - Statement of financial resources
  - Two recommendation letters (electronical submission)
  - Certified copy of degree/diploma and transcripts
  - Certified copy of English Proficiency Test (EPT)
    - TOEFL iBT 83 (PBT 560, CBT 220), IELTS 6.5, TEPS 599, TOEIC 720 or higher
    - The English requirement is waived for students from the institutions where courses are taught in English. Check on KAIST webpage for detail.
  - Curriculum Vitae (free style)
  - Copy of identity documents
  - Family relation certificate (for ethnically Koreans only)
  - Optional documents
    - List of honors and awards
    - Employment certificate

Admission Process - How

- **KAIST admission requires two letters of recommendation to be submitted electronically.**
- **Description on recommendation letters is available on KAIST admission site**
  - Reference: https://apply.kaist.ac.kr/intergradapply
  - KAIST receives recommendation letters electronically.
  - Once you complete the application by paying the application fee, each recommender will receive an automated email instructing how to proceed with their recommendation online.
  - Please complete your application as early as possible so that your recommenders can have enough time to complete the letter.

Admission Process - How

- **Step1. Program of Study and Personal Background**



Admission Process - How

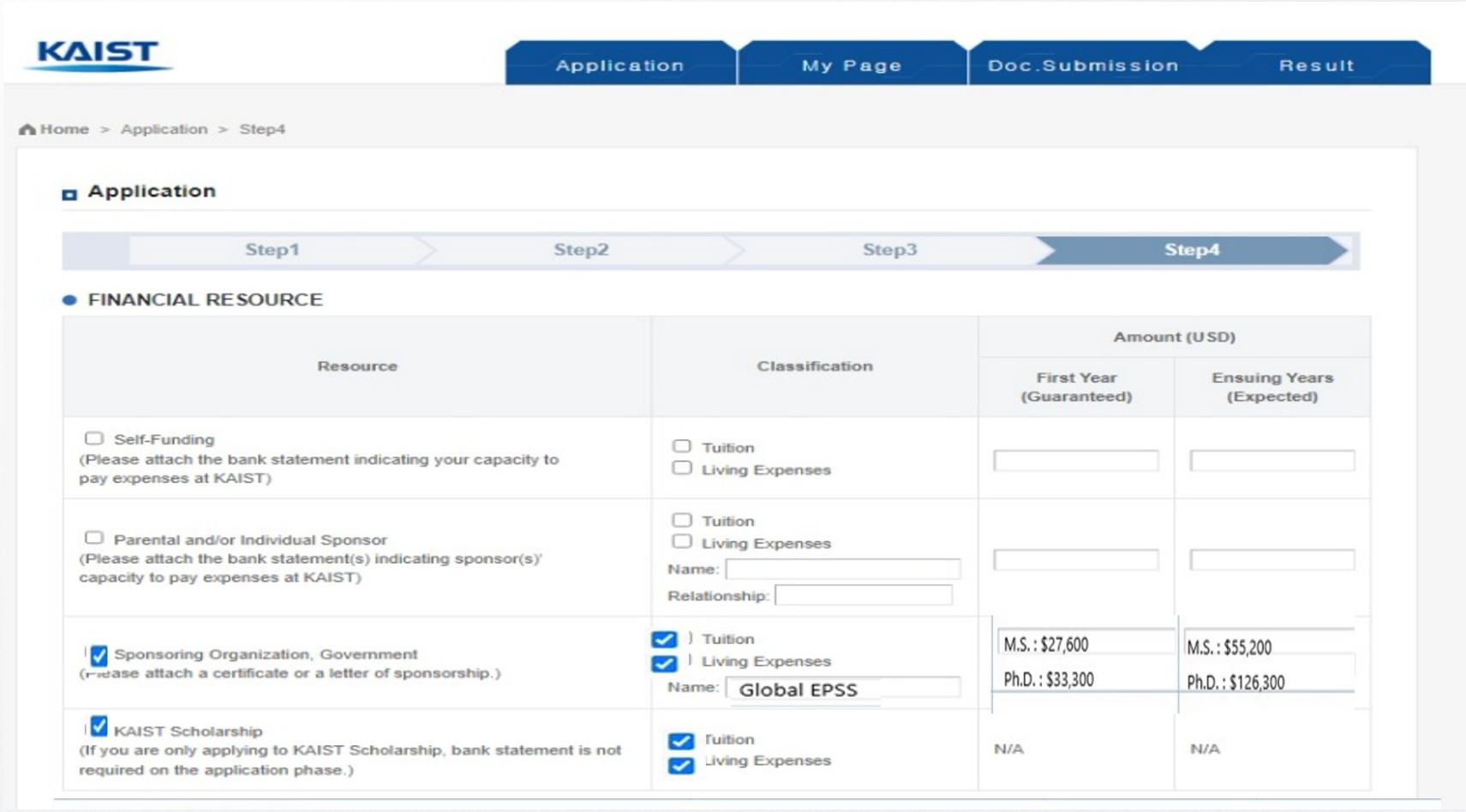
- **Step4. Statement of Financial Resources to Study at KAIST**

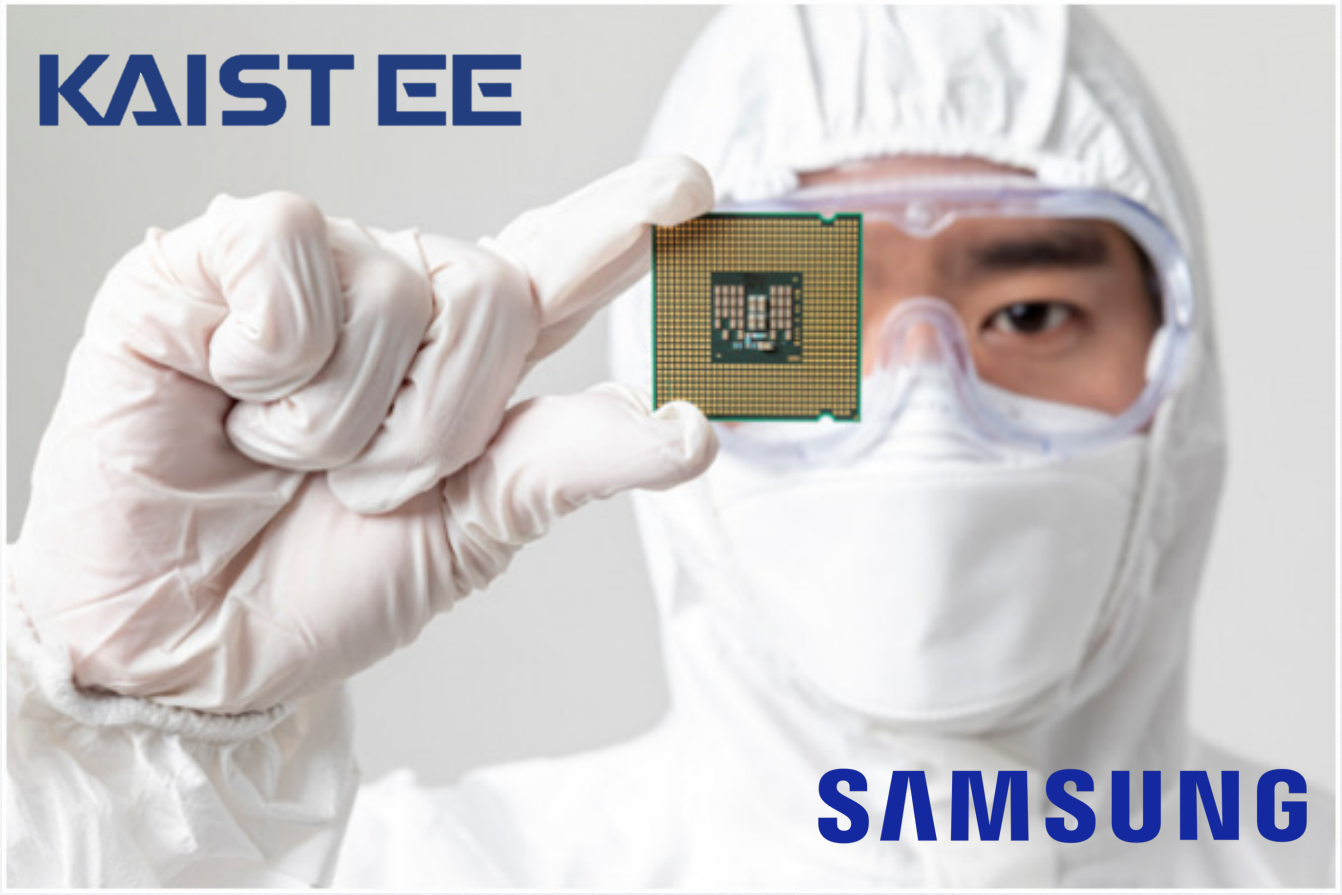
  State your financial resources to cover the tuition fees and expenses for your study at KAIST.

  - If you want to apply to our graduate program with **KAIST Scholarship**, select KAIST Scholarship as your financial resource.
  - You can choose multiple options to support your life at KAIST.
  - **Sponsoring Organization , Firm or Government**(KAIST Collaborative Excellence Scholarship): If you are applying to **Global EPSS**, you can choose the Government/Organization Scholarship option without the need for a certificate or sponsorship letter. The Office of Admissions will verify this information with the representative office on your behalf.
  - **KAIST Scholarship:** If you want to apply to our graduate program with **KAIST Scholarship**, select KAIST Scholarship as your financial resource.
  - You can select both(Applying for “Global EPSS” and “KAIST Scholarship”)

Admission Process - How

- **Step4. Statement of Financial Resources to Study at KAIST**

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