GIST Department of Semiconductor Engineering recently established... First 30 freshmen selected to train as professionals in a small course starting in March

- Expected to cultivate world-class, industry-oriented semiconductor talent
- Competition rate for regular recruitment is about 70 to 1... Opportunity to join Samsung Electronics opens in 5 years

▲ (From left) GIST Department of Semiconductor Engineering Professor Hoon Hahn Yoon, Professor Hyeon-Jin Shin, and Dean Dong-Seon Lee

The Gwangju Institute of Science and Technology (GIST, President Kichul Lim) announced that it will select the first 30 new students for the Department of Semiconductor Engineering (Dean Dong-Seon Lee) to cultivate semiconductor experts in connection with employment at Samsung Electronics and begin operation in March.

Starting this year, GIST's Department of Semiconductor Engineering, which will select 30 students a year until 2028 for a total of 150 students in an integrated bachelor's and master's program, is expected to foster high-level human resources with field practice capabilities and synergize with Samsung Electronics' world-class technology through semiconductor research and development that industrial companies want.

In March of last year, GIST and Samsung Electronics signed a business agreement to establish a contract department to train technical personnel specializing in semiconductor processing and agreed to operate a five-year integrated bachelor's and master's degree program in semiconductor engineering linked to employment at Samsung Electronics.

While completing the bachelor's program (7 semesters) and the master's program (3 semesters), students have the opportunity to grow into experts in the semiconductor field by receiving full tuition and housing expenses, overseas

training, on-site experiential learning at companies/research centers, and meeting mentors from Samsung Electronics employees. A variety of benefits and opportunities are supported.

Above all, what stands out is that if they pass a certain test after completing the regular curriculum, they can be hired by Samsung Electronics to perform semiconductor process technology and circuit design duties.

As it is a recruitment-linked course, in order to develop the job capabilities of selected students, GIST has established a solid curriculum and secured 12 faculty members (2 full-time faculty and 10 concurrent faculty), including inviting full-time faculty from Samsung Electronics and completed preparations to provide the best educational environment.

GIST's Department of Semiconductor Engineering not only has a compound semiconductor optical convergence nanoprocessing center equipped with a total of 44 equipment capable of thin film, exposure, etching, oxidation, follow-up processes, and physical and chemical analysis, but also currently provides chiplet heterogeneous integration and fan-out packaging are are building a cutting-edge process fab to develop next-generation artificial intelligence semiconductors.

Dean Dong-Seon Lee said, "We are preparing a program that will not only provide education on semiconductor design and process but will also conduct research on the semiconductor industry field with the goal of nurturing world-class industry-oriented semiconductor talent. We will do our best to help students grow into the world's best experts in the semiconductor process field through GIST's semiconductor specialized curriculum."

GIST
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