Educational Program for Samsung Semiconductor
Course Requirements
(M.S. Degree)

Thesis Master's Degree

◉ **Graduation Credits :** at least 33 credits

◉ **Mandatory General Course :** 3 credits and 1AU

◉ **Interdisciplinary Mandatory Elective Major Courses :** 3 credits
- 1 course of STE505(Semiconductor Process Laboratory), EE571(Advanced Electronic Circuits), CS550(Software Engineering)

◉ **Interdisciplinary Elective Major Courses :** At least 9 credits
- Every student must select at least 3 courses among the designated elective major courses.

◉ **Mandatory / Elective Major Courses in the Related Departments** : at least 6 credits
- Every student must select at least 2 courses among the designated Related departments mandatory/elective major.

◉ **Research** : At least 6 credits
- Every student must have at least 6 credits in thesis research, individual research, seminar, etc.   (Research courses may be substituted by ones in their department)
- The MS course requires the completion of STE998(MS Internship)

※ Course requirments of related departments as well as interdisciplinary one should be satisfied.

Non-thesis Master's Degree

The same as top

☐ Measures for Changes
* Substitutional course changes
- The students who joined this program after the year 2009 : Take only 1 course out of EE665(CMOS Front-End Process Technology) and MS696(Special Topics in Advanced Materials I).
- The students who joined this program before the year 2009 : Take only 1 course out of EE665(CMOS Front-End Process Technology) and MS635(Semiconductor Integrated Process Design).

Educational Program for Samsung Semiconductor
Course Requirements
(Ph.D. Degree)

◉ **Graduation Credits :** at least 60 credits

◉ **Mandatory General Course :** 3 credits and 1AU
   - It is the same as for the MS course. (If the student has already taken this course during his MS program, then it does not have to be taken again.)

◉ **Interdisciplinary Mandatory Elective Major Courses : 6** credits
   - In addition to the courses taken in the MS program, every student must take at least 2 courses which the interdisciplinary program provides.
   - 2 course of STE505(Semiconductor Process Laboratory), STE605(Semiconductor Memory Devices and SoC Designs), EE571(Advanced Electronic Circuits), CS550(Software Engineering)

◉ **Interdisciplinary Elective Major Courses :** At least 12 credits
   - In addition to the courses taken in the MS program, every student must take at least 4 courses which the interdisciplinary program provides.

◉ **Mandatory / Elective Major Courses in the Related Departments** : at least 9 credits
   - In addition to the courses taken in the MS program, every student must take at least 3 courses which the interdisciplinary program provides.

◉ **Research** : at least 30 credits
   - Students must have at least 30 credits in thesis research, individual research, seminar, etc.   (Research courses may be substituted by ones in their department)
   - The Ph.D course requires the completion of STE999(Ph.D Internship)

☐ **Measures for Changes**
   * Substitutional course changes
   - The students who joined this program after the year 2009 : Take only 1 course out of EE665(CMOS Front-End Process Technology) and MS696(Special Topics in Advanced Materials I).
   - The students who joined this program before the year 2009 : Take only 1 course out of EE665(CMOS Front-End Process Technology) and MS635(Semiconductor Integrated Process Design).