Major Course Requirements for Semiconductor Technology Educational Program

(For Master's Program)

Thesis Mater's Degree Program

Please check the common graduation requirements.

▣ **Credit Requirement for Graduation:** Required to complete a total of more than 33 credits

▣ **Mandatory General Courses:** 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 Courses**: 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 requirements of related departments as well as interdisciplinary one should be satisfied.

Coursework Master's Degree Program

same as above

☐ **Transitional Measures**

* 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).

Major Course Requirements for Semiconductor Technology Educational Program

(For Doctoral Program)

Please check the common graduation requirements.

▣ **Credit Requirement for Graduation:** Required to complete a total of more than 60 credits

▣ **Mandatory General Courses:** 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 Courses**: 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)

☐ **Transitional Measures**

* 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).