

Course Requirements

□ Master's Program

Master's Degree must satisfy the following course requirements, and pass the thesis defense.

A. Graduation Credits: minimum 33 credits

B. Mandatory General Course Requirements: 3 credits and 1AU

- Select one course from the following (CC500 Scientific Writing, CC510 Introduction to Computer Application, CC511 Probability and Statistics, CC512 Introduction to Materials Science and Engineering, CC513 Engineering Economics and Cost Analysis, CC522 Introduction to Instruments, CC530 Entrepreneurship and Business Strategies, CC531 Patent Analysis and Invention Disclosure, CC532 Collaborative System Design & Engineering).
- CC010 Special Lecture on Leadership(non-credit, this applies to students entering KAIST in 2002 and thereafter; general scholarship students, foreign students are excluded)
- CC020 Ethics and Safety I(1AU)

C. Mandatory Major Course Requirements: 15 credits

- Select one of between NST530 Introduction to Physiology and NST535 Introduction to Nanobiology
- NST 540 Under the rotation system, students are expected to give a lecture or do actual training in the lab. of professors.
- NST 550 This lecture will be joint operated of Graduate School of Nanoscience & Technology and National Nanofab Center.

D. Elective Course Requirements: minimum 3 credits

E. Research Credits: up to 12 credits (including seminar 2 credits)

□ Doctoral Program

A. Graduation Credits : minimum 60 credits.

B. Mandatory General Course Requirements: 3 credits and 1AU (not required if taken during the Master's degree).

C. Mandatory Major Course Requirements: 3credits (NST 550 Nanofabrication Laboratory)

D. Elective Course Requirements: minimum 24credits

Select two courses from the following (NST510 Introduction to Modern Physics, NST520 Introduction to Nano-chemistry, NST530 Introduction to Physiology, NST535 Introduction to Nanobiology)

E. Research Credits: minimum 30 credits

The course credits earned in the Master's course work can be used towards the Doctoral degree(except research credits).

* Graduate students are strongly recommended to take CC500.

□ Integrated Master's and Doctoral Degree Program

Integrated Master's and Doctoral Degree courses operate each Master's course and Doctorate course. The credits earned in the Master's course work can be used towards the Doctoral degree.