

**Major Course Requirements for  
International Graduate Program of Nuclear Engineering  
(For Master's Program)**

**Thesis Master's Degree Program**

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**Please check the common graduation requirements.**

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

■ **Mandatory General Courses:** 3 credits and 1AU

- CC500 can be replaced by NQE595(Technical Writing in Nuclear and Quantum Engineering)
- CC500 can be replaced by HSS586(Introductory Korean for Foreigners I) only for foreign students.

■ **Mandatory Major Courses:** None

■ **Elective Courses:** At least 18 credits

- At least 18 credits including 6 credits of major courses from Department of Nuclear & Quantum Engineering
- Those whose undergraduate major is not Nuclear Engineering is required to take either NQE502 or NQE503.(These requirements apply to those who enrolled in 2009 and thereafter. Those who have taken NQE202 in 2010 and before are exempt.)
- If students complete the following courses in the graduate program, credits are given as elective courses.
  - HSS583 Graduate English Presentation(3 credits)
  - HSS585 Principles and Application of Vision(3 credits)
  - HSS586 Introductory Korean for Foreigners I(3 credits)
  - HSS587 Introductory Korean for Foreigners II(3 credits)

■ **Research Courses:** At least 12 credits

- At least 12 credits including 2 Seminar credits
- Seminar credits are exempted for Part-time general scholarship and Foreign students.

■ **Others:**

- When Master's students take undergraduate courses which are not mutually recognized (by the Bachelor's program and the Master's program), only up to 3 credits of those courses taken will go towards fulfilling the requirements for Graduation.

- The following courses are recommended for those whose undergraduate major is not Nuclear Engineering.
  - ※ NQE301, NQE303, NQE322, NQE401

## Coursework Master's Degree Program

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### Please check the common graduation requirements.

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

■ **Mandatory General Courses:** 3 credits and 1AU

- CC500 can be replaced by NQE595(Technical Writing in Nuclear and Quantum Engineering)
- CC500 can be replaced by HSS586(Introductory Korean for Foreigners I) only for foreign students.

■ **Mandatory Major Courses:** None

■ **Elective Courses:** At least 24 credits

- At least 18 credits including 12 credits of major courses from Department of Nuclear & Quantum Engineering
- Those whose undergraduate major is not Nuclear Engineering is required to take either NQE502 or NQE503.(These requirements apply to those who enrolled in 2009 and thereafter. Those who have taken NQE202 in 2010 and before are exempt.)
- If students complete the following courses in the graduate program, credits are given as elective courses.
  - HSS583 Graduate English Presentation(3 credits)
  - HSS585 Principles and Application of Vision(3 credits)
  - HSS586 Introductory Korean for Foreigners I(3 credits)
  - HSS587 Introductory Korean for Foreigners II(3 credits)

■ **Research:** At least 6 credits

■ **Others:**

- The application to the course-work plan is limited not only to the foreign students but also to Korean students who are admitted to the corporation-related R&D manpower development program and are approved by the department.
- When Master's students take undergraduate courses which are not mutually recognized (by the Bachelor's program and the Master's program), only up to

3 credits of those courses taken will go towards fulfilling the requirements for Graduation.

- The following courses are recommended for those whose undergraduate major is not Nuclear Engineering.

※ NQE301, NQE303, NQE322, NQE401

#### **Transitional Measures**

- For students in the Master's Program or Doctoral Program who have entered their respective programs in 2010 or earlier will be recognized as having taken NQE202 (credit recognition).

- Those joining the Nuclear & Quantum Engineering department from other departments, who have taken NQE202 in 2010 or earlier, are to have the credits of the course go towards meeting the criteria for Master's program completion.

- Thesis Master's Program: 6 credits from Undergraduate courses including those from NQE202 will be accepted for graduation.

- Coursework Master's Program: 9 credits from Undergraduate courses including those from NQE202 will be accepted for graduation.

## **Major Course Requirements for International Graduate Program of Nuclear Engineering (For Doctoral Program)**

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**Please check the common graduation requirements.**

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- **Credit Requirement for Graduation:** Required to complete a total of more than 60 credits
  
- **Mandatory General Courses:** Same as the Master's program (Student who already earned 3 credits in Master's course does not need to obtain 3 credits again)
  
- **Mandatory Major Courses:** None
  
- **Elective Courses:** At least 27 credits
  - At least 27 credits including 12 credits of major courses from Department of Nuclear & Quantum Engineering
  - Those whose undergraduate major is not Nuclear Engineering is required to take either NQE502 or NQE503.(These requirements apply to those who enrolled in 2009 and thereafter. Those who have taken NQE202 in 2010 and before are exempted.)
  - If students complete the following courses in the graduate program, credits are given as elective courses.
    - HSS583 Graduate English Presentation(3 credits)
    - HSS585 Principles and Application of Vision(3 credits)
    - HSS586 Introductory Korean for Foreigners I(3 credits)
    - HSS587 Introductory Korean for Foreigners II(3 credits)
  
- **Research Courses:** At least 30 credits
  - At least 30 credits including 3 Seminar credits
  - Seminar credits are exempted for Part-time general scholarship and Foreign students.
  
- **Others:**
  - When Doctoral students take undergraduate courses are not mutually recognized (by the Bachelor's program and the Master's program), only up to 6 credits of those courses taken will go towards fulfilling the requirements for Graduation with the approval from their advisors.

- The following courses are recommended for those whose undergraduate major is not Nuclear Engineering.
  - ※ NQE301, NQE303, NQE322, NQE401
- The curriculum credits acquired in the master's course may be cumulatively added to the curriculum credits in PhD course(except research credits).

**Transitional Measures**

- For students in the Master's Program or Doctoral Program who have entered their respective programs in 2010 or earlier will be recognized as having taken NQE202 (credit recognition).
- Those joining the Nuclear & Quantum Engineering department from other departments, who have taken NQE202 in 2010 or earlier, are to have the credits of the course go towards meeting the criteria for Doctorate program completion.
  - 9 credits from Undergraduate courses including those from NQE202 will be accepted for graduation.