

Study in NQE, KAIST

Mar. 21. 2005

Department of Nuclear and Quantum Engineering
Korea Advanced Institute of Science and Technology

KAIST

- Governmental university with strong research activities Established by the Ministry of Science and Tech. in 1971
- Located in Daejeon city, the center of South of Korea
- Financially supported by the Ministry of Science & Technology (MOST)
- 400 professors, 2400 BA, 1800 MS, 2600 Ph.D students
- 4 Colleges ; College of Natural Science(4+1),
College of Engineering(9+2),
College of Humanities and Social Science,
Graduate School of Managements



NQE building



Dept. Nuclear & Quantum Eng.

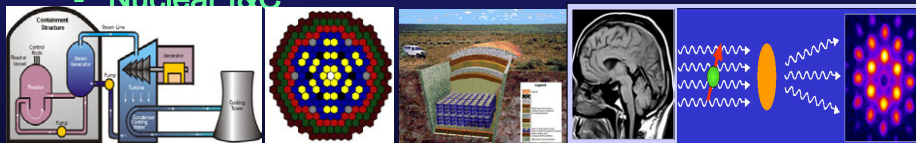
- Established in 1981
- 140 students
 - ✓ 16 undergraduate
 - ✓ 46 master degree students
 - ✓ 80 Ph.D students
- 15 professors



<http://nuclear.kaist.ac.kr/new/english/index.html>

Research Fields

- Nuclear reactor design
- Nuclear safety
- System engineering
- Nuclear chemical engineering and waste management
- Nuclear material science
- Nuclear I&C
- Radiation detection & Medical imaging
- Neutron spin engineering
- Electron beam engineering



Students in NQE

	Korean	International	Total (142)
BA	16	0	16
MS	15	3	46
	19	9	
Ph.D	67	3	70
Post Doc	9	1	10

International Students in NQE

	RCA scholarship	KAIST scholarship			Total (20)
	Master	Master	Ph.D	Visiting	
Pakistan	3		2		5
Bangladeshi	3		1		4
Myanmar	3				3
China		3			3
Indonesia	1				1
Philippines	1				1
Sri Lanka	1				1
Vietnam				2	2

MS Degree Program

Thesis-based MS

- 1.5 ~ 2 years
- 24 course credits (8 subjects) + 12 research credits (for a thesis)
- Thesis presentation
- Offered to all MS program students

Course-based MS

- 1 year
- 27 course credits (9 subjects) + 9 research credits (for a report)
- No thesis presentation
- Offered only to RCA-KAIST MS program students

Ph.D Program

- Nominally it takes 4 years.
- Make a personal contact to a professor of interest in the department, because you need his recommendation for application.
- May apply the KAIST scholarship at the same time of the application
- For graduation, must publish at least a paper in any SCI-level journal.

Admission Procedure

Spring Semester admission

- Nov. 30th : Application due
- Early Dec. : Notification of admissions
- Mar. 1st : Spring semester starts

Fall Semester admission

- Apr. 30th : Application due
- Early Jun. : Notification of admissions
- Sep. 1st : Fall semester starts

<http://www.kaist.edu/home.html>

Application Documents

1. Completed International Graduate Application Form
2. Statement of Purpose
3. Statement of Financial Resources
4. Two Letters of Recommendation _ from the colleges attended
5. Academic transcripts & graduation certificates from the colleges attended
6. TOEFL score record (except for students from English speaking countries ; Australia, India, New Zealand, Philippines, and Singapore etc.)

year	TOEFL(pbt)	TOEFL (cibt)	TOEIC	TEPS
2005	510	180	610	512
2006	520	190	645	546
2007	540	205	700	605
2008~	560	220	780	680

International Student Scholarships

Type	KAIST scholarship	RCA-KAIST scholarship
Degree	2 year MS, 3 year Ph.D	1 year MS
Procedure	- Contact professor (e-mail) - Admission Committee - Scholarship Committee	- contact RCA Representative - RCARO (Regional Office) - Admission Committee
appl. fee	\$ 60	Paid by RCA Program
tuition	Waived	Paid by RCA Program
Stipend	-300 K won/month(\$250/m) - 1M won (\$800) twice at first	- 500 K won/month (\$400/m)
Airfare	Not covered	Reimbursed by the program
Numbers	1~3 students/semester	3~5 students/semester
Housing	Supply a dorm at 35,000 won/month (\$~30/m)	

<http://www.rcaro.org/>

For further information

- Information about KAIST & the admission to KAIST
<http://www.kaist.edu/home.html>
- Information about Dept of NQE & faculties
<http://nuclear.kaist.ac.kr/new/english/index.html>
- Information about RCA Head Office in Korea
<http://www.rcaro.org>
- For the initial contact
gscho@kaist.ac.kr