

2022

RCA KINGS

Admission Guidelines

for Master's Degree Programme

KEPCO INTERNATIONAL
NUCLEAR GRADUATE SCHOOL

ADMISSION GUIDELINES

Admission Policy

- KINGS is accredited by the Ministry of Education of the Korean Government.
- The School confers two types of Master's Degree: Master of Engineering (ME) and Master of Science (MS).
- KINGS desires future-oriented and experienced applicants who are working in energy related fields.
- Motivated and open-minded individuals are invited to apply.
- An ability to study in cross cultural environments is essential at KINGS.

Guide for Admission

Eligibility criteria such as academic background, work experience, letter of recommendation, and language requirement is described in the table below.

Term	Guideline
Academic Background	Bachelor's Degree or Higher
Work Experience	+1 Year Preferred *Who have relevant experience in the field in government organizations and/or R&D institutes is preferred.
2 letters of Recommendations	① (On-line Application) Company, Government, or Academic Supervisor ② (E-mail) RCA National Representative
Language Requirement	Certified English Test Score or Equivalent Language Proficiency

② Recommendation of RCA national representative of applicant's country (Form is downloadable at <http://www.rcaro.org>)

The copy of representative's letter should be sent to Mr. James at admission@kings.ac.kr by the deadline of online application. Information on national representative can be found at <http://www.rcaro.org/states1>

Timelines



Mailing Address:

Room #510 main building

658-91 Haemaji-ro, Seosaeng-myeon, Ulju-gun, Ulsan 45014 Republic of Korea



ADMISSION GUIDELINES

How to Apply

- To access the on-line application, find the "Apply Now" banner on the KINGS website (www.kings.ac.kr), under the "Admission" menu.
- Create your own account and fill in all the required information for each page of them.
- The on-line application page will be available only during the official application period. Please refer to the notice on KINGS website for the 2022 application period.

Required Documents¹

- 1 Application for admission² (Form 1)
- 2 Statement of purpose (Form 2)
- 3 Study & career plan (Form 3)
- 4 Certificate of employment (Form 4)
- 5 ① Letter of Recommendation (Form 5)
- 6 ② Letter of Recommendation³ (E-mail) from RCA National Representative
- 7 Original certificates or diploma of all undergraduate and graduate level degrees
- 8 Original college/university transcripts
- 9 Proof of proficiency in English

¹ All forms (1~5) are provided at the application system (www.kings.ac.kr)

² Identification photo taken within 3 months (black and white photo will not be accepted)

³ Recommendation form is downloadable at <http://www.rcaro.org> and the copy of recommendation letter should be sent to Mr. James at admission@kings.ac.kr
Information on national representative can be found at <http://www.rcaro.org/states1>

Application Fee

- KINGS does not charge an application fee for international students.



Proof of English Proficiency

- Applicant whose native language is not English must demonstrate his/her English language proficiency by submitting any certificates from authorized institutions
- An applicant who has graduated from a university in country whose official language is English is exempt from proving English proficiency if he/she submits a certificate stating that he/she has completed all of the courses in English.

Important Notice

- You are required to submit original documents when you are admitted; however, notarized copies of original certificates are also acceptable.
- All application documents must be typed (not hand-written) in English.
- Non-English based documents must be accompanied with notarized English translations.
- **All** submitted documents will **NOT** be returned.
- If an applicant has gained admission in an illegal manner (through forgery, alteration of documents, or document translation errors) then the **admission will be nullified**. Furthermore, if a criminal case is suspected, the student will be reported to the authorities of Republic of Korea and of the applicant's home country in compliance with the law.

EDUCATION PROGRAMME

Department of Energy Policy & Engineering

Introduction

Energy policy is a complex system, where economics, environmental protection, and sustainability issues are interconnected. The Department of Energy Policy and Engineering offers a curriculum that builds capability to understand and solve problems which can arise from such a complex system in an integrated way. The program is designed to foster global-level energy policy decision makers and executives who understand both theory and practice through lectures, practical training, and sharing experience with colleague students from various fields, including electric power companies and overseas public institutions.

The department operates a two-year program: the energy policy and engineering courses in the first year at KINGS, and the thesis/individual project report research program at the student's affiliated institution in the second year. Students can earn a Master of Engineering (ME) or Master of Science (MS) from KINGS

Not only are projects becoming more complex, but are also developing a digital technologies aspect in their workflow. To help students prepare for such advancements, KINGS offers courses in Big Data, Python programming and Artificial Intelligence/Machine Learning

Curriculum

Fundamental Knowledge

- Electric Resource Planning and Optimization
- Financial Theory for Engineers
- Introduction to Statistics, Data Analysis, and Big Data
- Introduction to Machine Learning
- Micro Grid Platform and ESS
- Basic Economics and Quantitative Methods
- Energy Policy and Utility management I
- Technical Writing
- Cross Cultural Program

Advanced Knowledge

- Analysis of Electric Market and Industry
- Project Valuation and Risk Analysis
- Machine Learning Application to NPP and Business
- Power System Development Project
- Project Development and Finance
- Energy Policy and Utility management II

First Year

Master's Research

- **Master of Engineering**
Researching a master's report in one or multiple study areas stated below at student's affiliated organization under remote advice and supervision of a KINGS professor
- **Master of Science**
Researching a master's thesis in one or multiple study areas stated below at student's affiliated organization under remote advice and supervision of a KINGS professor

Second Year

Study Areas

- Sustainable Energy System and Technologies ¹⁾ for 3D's²⁾
- Electricity Market and Economics
- Project Valuation and Finance
- Hybrid Energy System Optimization with AI
- Climate Change and Utility Management

¹⁾ Photovoltaic, Wind-Turbine, Hydrogen, SMR, Geothermal, Small-hydro, ESS etc.

²⁾ Decarbonization, Digitization and Decentralization

Graduation Requirements

Degree Type

- Master of Engineering (ME) in Energy Policy and Engineering
- Master of Science (MS) in Energy Policy and Engineering

Common Requirements

- Minimum of 36 credits, Minimum GPA of B- (2.7/4.3)
- Study Period: First year at KINGS / Second year at student's affiliated organization
- Thesis (MS) or Project Report (ME) approved by the Examining Committee

Note: Departmental requirement(s) per degree type may apply.



FINANCIAL DETAILS

Tuition & Fees¹

Tuition

Tuition is 48.4 million KRW ($\approx 39,643$ USD)² per academic year. Tuition covers lectures, lecture materials, access to the library, and other various facilities for academic activities.

Matriculation Fee

Matriculation fee is 1 million KRW (≈ 819 USD)²

Living Costs

Total rate of room and board is 12.8 million KRW ($\approx 10,484$ USD)² per year including three meals a day.

Financial Aid

Scholarships

The **KINGS Global Scholarship** covers a maximum of two years of full-time study. All new eligible international students are awarded the global scholarship. **To receive the KINGS global scholarship, recipients must have satisfied the requirements (minimum GPA of B-, 2.7/4.3) as outlined in KINGS regulations.** The scholarship covers the above mentioned tuition, matriculation fee, and room & board fee.

International Atomic Energy Agency (IAEA) will also support the participation of fellows to KINGS Master's Degree program in 2022 based on IAEA's policy. For further information, please contact the IAEA National Liaison Office in your country.

Internships

RCARO will provide two or three students RCARO summer internship in Deajeon for 4 weeks during summer vacation and the students with a daily subsistence allowance sufficient to cover the cost of their accommodation, food and minor incidental expenses.

(Please kindly note that this internship may not be proceeded due to COVID-19.)

Assistantships

Administrative Assistantships (AA) are available for eligible international students. The monthly assistantship stipend rate depends on the actual hours of service provided by the student each month. Students can work up to a maximum of 30 hours per month.

Roundtrip Airfare

RCARO will provide all students with a round-trip air ticket, economy class, from your home county to Korea and return.

Medical & Insurance

- KINGS provides basic health check-ups and care at the health office. For international students who need medical treatment at a hospital, the school provides support regarding hospital information.
- The Korean government requires a mandatory health insurance. Recently according to the Ministry of Health and Welfare in Republic of Korea, a foreigner who has stayed for more than six months must subscribe to the Public National Health Insurance since 1 March 2021. The amount of health insurance fee is approximately \$50 per month. For the duration of the programme, RCARO will cover the expense

¹ All fees and costs are based on the 2021 academic year and are subject to change for the 2022 academic year.

² Values in parentheses are fees in US Dollars based on the exchange rate of 1,220.9 KRW/USD.



CAMPUS LIFE

Facilities

- KINGS dormitory has 200 single occupancy rooms, a cafeteria, and an Islamic prayer room.
- Each dormitory room is equipped with a bathroom, a study desk, a single bed, and a refrigerator.
- KINGS cafeteria provides regular Korean and Western meals.
- A fully furnished common kitchen is also available for student use.
- Residential facilities including tennis and basketball courts, a futsal field, a ping pong room, and a gym are available.
- KINGS has high-speed internet connection which students can access on campus, free of cost.
- A Kookmin Bank (KB) ATM is also available on campus.

Monthly Events for KINGS Students

2 February <ul style="list-style-type: none">• Orientation• City Tour	3 March <ul style="list-style-type: none">• Cherry Blossom Festival	4 April <ul style="list-style-type: none">• Movie Night• Marathon Race
5 May <ul style="list-style-type: none">• Watching Baseball Game Event• Spring Hiking	6 June <ul style="list-style-type: none">• 1st Culture Trip	7 July <ul style="list-style-type: none">• Summer Session
8 August <ul style="list-style-type: none">• Summer Vacation	9 September <ul style="list-style-type: none">• Fall Festival• Chuseok Program	10 October <ul style="list-style-type: none">• Watching Basketball Game Event
11 November <ul style="list-style-type: none">• Movie Night	12 December <ul style="list-style-type: none">• 2nd Culture Trip	1 January <ul style="list-style-type: none">• Winter Vacation

* The schedule is subject to change.

For more information, visit the KINGS website (www.kings.ac.kr) or contact External Relations Team at admission@kings.ac.kr.

Students of KINGS

2012-2021

Europe

Europe	G	E
Poland	4	3
Czech Republic	-	1
Romania	4	-
Turkey	3	2
Belarus	1	-

Middle East

Middle East	G	E
Saudi Arabia	0	2
UAE	5	2
Jordan	3	-
Yemen	5	-

Asia

Asia	G	E
Korea	205	52
Vietnam	24	2
Malaysia	16	-
Indonesia	9	4
Uzbekistan	-	3
Kazakhstan	1	-
Bangladesh	6	-
Thailand	2	-
Philippines	1	-
Mongolia	7	-
Cambodia	1	-
Tajikistan	1	-

America

America	G	E
Brazil	4	-
Mexico	1	-

Africa

Africa	G	E
Egypt	19	3
Kenya	39	8
South Africa	12	-
Nigeria	19	4
Ghana	6	3
Tanzania	5	3
Uganda	6	2
Tunisia	1	-
Senegal	1	-
Rwanda	-	1

Total

Total	Graduate	Enrolled	Sum
Korean	205	52	257
International	206	43	249
Total	411	95	506