

# KINGS

2020

## Students of KINGS

2012-2019

### Europe

Europe	G	E
Poland	2	2
Romania	2	2
Turkey	3	-
Belarus	1	-

### Middle East

Middle East	G	E
UAE	4	1
Yemen	5	-
Jordan	2	1

### Asia

Asia	G	E
Korea	161	44
Vietnam	24	-
Malaysia	14	2
Indonesia	8	1
Mongolia	5	2
Bangladesh	5	1
Thailand	2	-
Kazakhstan	-	1
Tajikistan	1	-
Cambodia	1	-
Philippines	1	-

### Americas

Americas	G	E
Brazil	1	3
Mexico	1	-

### Africa

Africa	G	E
Kenya	30	10
Egypt	14	5
Nigeria	12	7
South Africa	12	-
Uganda	4	2
Ghana	3	3
Tanzania	3	2
Tunisia	1	-
Senegal	1	-

Total	Graduate	Enrolled	Sum
Korean	161	44	205
International	162	45	207
Total	323	89	412



658-91 Haemaji-ro, Seosaeng-myeon, Ulju-gun, Ulsan 45014 Republic of Korea  
<http://www.kings.ac.kr>



## Admission Guidelines for International Students

# ADMISSION GUIDELINES

## How to Apply

- To access the on-line application, find the "Apply Now" banner on the KINGS website ([www.kings.ac.kr](http://www.kings.ac.kr)), under the "Admission" menu.
- Create your own account and fill in all the required information for each page of the form. After submitting the final on-line application form, you must also submit the required documents by courier (see chart below).
- The on-line application page will be available only during the official application period. Please refer to the notice on KINGS website for the 2020 application period.

## Required Documents

Document <sup>1</sup>	
1. Application for admission <sup>2</sup> (Form 1)	5. Letter of recommendation (Form 5)
2. Statement of purpose (Form 2)	6. Original certificates or diploma of all undergraduate and graduate level degrees
3. Study & career plan (Form 3)	7. Original college/university transcripts
4. Certificate of employment (Form 4)	8. Proof of proficiency in English

<sup>1</sup> All forms (1~5) are provided at the application system ([www.kings.ac.kr](http://www.kings.ac.kr))

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



## 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 one of the certificates: TOEFL, TOEIC, TEPS, and IELTS.
- 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; however, notarized copies of the 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.

# ADMISSION GUIDELINES

## Admission Policy

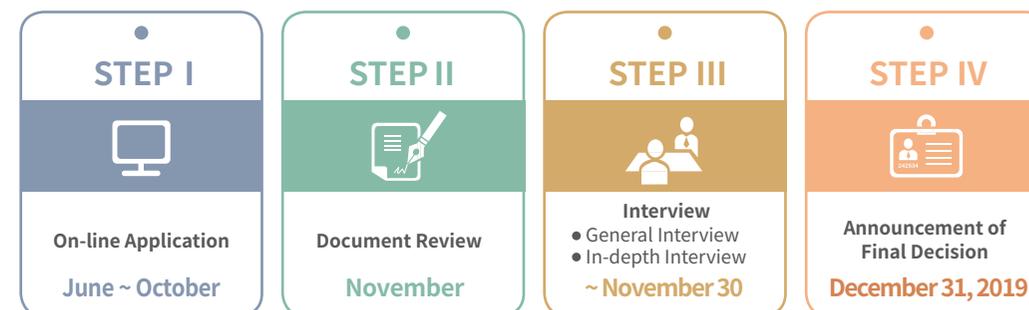
- KINGS is accredited by the Ministry of Education of the Korean Government.
- The School confers two types of Master's Degree: Master of Engineering (ME) and Master of Science (MS).
- KINGS desires future-oriented and experienced applicants who are working in energy related fields.
- Motivated and open-minded 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, GPA, and language requirement is described in the table below.

Term	Guideline
Academic background	Bachelor's Degree or higher
Work experience	1 year
Letter of recommendation	company, government, or academic supervisor
Language requirement	certified English test score or equivalent language proficiency

## Timelines



## Mailing Address:

Room #510 main building  
658-91 Haemaji-ro, Seosaeng-myeon, Ulju-gun, Ulsan 45014 Republic of Korea



# EDUCATION PROGRAM

## Department of Nuclear Power Plant Engineering

### Introduction

The Department of NPP Engineering offers a comprehensive graduate-level program covering all aspects of a nuclear power plant project starting from the design and certification phase, through the operation and management, all the way to decommissioning. Our program provides the students with the theoretical as well as practical training that enables them to lead NPP projects in their countries.

Most of our students are employed professionals who have worked for over three years in nuclear power-related corporations or companies, in either Republic of Korea or other countries. After completion of the two-year (four-semester) program at KINGS, students graduate with a Master's Degree in Nuclear Power Plant Engineering. Students may pursue a Master of Engineering (ME) or a Master of Science (MS).

In their 1st year, students take a number of courses covering different areas of NPP Engineering (e.g. design, safety, operation, control and protection, waste management, and project management). In their 2nd year, students specialize in one of those study areas through team projects that combine engineering and management aspects of an NPP project. This prepares our students to take up leadership roles in the energy organizations of their countries.

### Curriculum

First Year (2020)	Spring Semester (March ~ June)	Summer Session (July)	Fall Semester (August ~December)
Compulsory (Major)	• Introduction to Nuclear Engineering • Systems Engineering	-	• APR Technology
Elective (Major)	• 2 Elective Courses in any of the study areas listed below	-	• 3 Elective Courses in any of the study areas listed below
Compulsory (Non-major)	• Professional Communication I • Cross Cultural Program I • Technical Writing I	• Technical Writing II • Discussions on Nuclear Issues I	• Professional Communication II • Cross Cultural Program II • Technical Writing III • Discussions on Nuclear Issues II
Elective (Non-major)	-	• 1 Elective Course in areas of Digital Technologies (PHM, IoT, AI, 3D Printing, Block Chain, and Big Data)	-
Second Year (2021)	Spring Semester (March ~ June)	Summer Session (July)	Fall Semester (August ~December)
Compulsory (Major)	Project Course in one of the study areas listed below	-	Project Course in one of the study areas listed below
Compulsory (Common)	Technical Writing IV	Technical Writing V	Thesis (MS) Individual Project Report (ME)

### Study Areas

- Reactor Core Design
- Thermal Hydraulics and Nuclear Safety
- NPP Mechanical Systems Design
- NPP Electrical Systems
- NPP Control and Protection Systems
- NPP Risk, Operation & Maintenance Management
- Decommissioning & Radioactive Waste Management
- Radiation Protection
- NPP Seismic Design
- Project Management of the First NPP
- NPP Construction Project Management

### Graduation Requirements

- **Degree Type**
  - Master of Engineering (ME) in Nuclear Power Plant Engineering
  - Master of Science (MS) in Nuclear Power Plant Engineering
- **Common Requirements**
  - Minimum of 36 credits, Minimum GPA of B- (2.7/4.3)
  - Study Period: 2 years (March 2020 – February 2022) at KINGS
  - Thesis (MS) or Project Report (ME) approved by the Examination Committee\*

\* Additional requirement(s) per degree type may apply

# EDUCATION PROGRAM

## Department of Energy Policy & Engineering

### Introduction

Energy is a cornerstone of the national industrial system, and is an indispensable good in our daily lives. In this regard, energy policy is a complex system, where economics, environmental protection, and sustainability issues are interconnected. As the efficiency in public investment and budget planning gets higher and of critical importance, we can't overestimate the importance of national energy planning and management.

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 specialized program at the student's affiliated institution in the second year. Student can earn a Master of Engineering (ME) or Master of Science (MS) from KINGS

### Curriculum

First Year (2020)	Spring Semester (March ~ June)	Summer Session (July)	Fall Semester (August ~December)
Compulsory (Major)	• Principles of Economics • Electricity Utility Planning	-	• Analysis of Electric Market and Industry • Project Valuation and Risk Analysis
Elective (Major)	• 2 Elective Courses among the following courses* *Financial Theory for Engineers; Micro-Grid Platform Design & Operation; Understanding of Climate Change and Environment; Stakeholder Management and Public Acceptance	-	• 2 Elective Courses among the following courses* * Energy and Environment Policy; Capital Markets and Project Financing; Supply Chain Management; and Statistical Data Analysis
Compulsory (Non-major)	• Professional Communication I • Cross Cultural Program I • Technical Writing I	• Digital Technologies • Technical Writing II	• Professional Communication II • Cross Cultural Program II • Technical Writing III
Elective (Non-major)	-	• 1 Elective Course in areas of Digital Technologies (PHM, IoT, AI, 3D Printing, Block Chain, and Big Data)	-
Second Year (2021)	Spring Semester (March ~ June)	Summer Session (July)	Fall Semester (August ~December)
Compulsory (Major)	Specialization Program * Researching a Master's project report at student's affiliated organization under advice and supervision of a KINGS professor	-	Specialization Program * Researching a Master's project report at student's affiliated organization under advice and supervision of a KINGS professor

### Study Areas

- Sustainable Energy and Environment Policy
- Project Risk Management and Financing
- Renewable Energy and Electric Power Economics
- Microgrid Platform Design and Operation
- Supply Chain Management and System Dynamics

### 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 Examination Committee\*

\* Additional requirement(s) per degree type may apply



\* The curriculum above is based on 2019 academic year and is subject to change for 2020 academic year

# FINANCIAL DETAILS

## Tuition & Fees<sup>1</sup>

### Tuition

Tuition is 48.4 million KRW (≈ 42,160 USD)<sup>2</sup> 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 (≈ 871 USD)<sup>2</sup>

### Room & Board

Total rate of room and board is 12.8 million KRW (≈ 11,150 USD)<sup>2</sup> 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 2019 based on IAEA's policy. For further information, please contact the IAEA National Liaison Office in your country.

### 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.

## 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 mandatory health insurance. The health insurance must include standard collateral for disease, injury, and death.
- Additionally, if students have their own insurance policy which covers disease, injury, and death, they must submit proof of insurance KINGS.

<sup>1</sup> All fees and costs are based on the 2019 academic year and are subject to change for the 2020 academic year.

<sup>2</sup> Values in parentheses are fees in US Dollars based on the exchange rate of 1,148 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

<b>2</b> February <b>Orientation</b> <b>City Tour</b>	<b>3</b> March <b>Cherry Blossom Festival</b>	<b>4</b> April <b>Movie Night</b> <b>Marathon Race</b>
<b>5</b> May <b>Baseball Game Event</b> <b>Spring Hiking</b>	<b>6</b> June <b>1<sup>st</sup> Cross Culture Program</b>	<b>7</b> July <b>Summer Session</b>
<b>8</b> August <b>Summer Vacation</b>	<b>9</b> September <b>Fall Festival</b> <b>Chuseok Program</b>	<b>10</b> October <b>Basketball Game Event</b>
<b>11</b> November <b>Movie Night</b>	<b>12</b> December <b>2<sup>nd</sup> Cross Culture Program</b>	<b>1</b> January <b>Winter Vacation</b>



For more information, visit the KINGS website ([www.kings.ac.kr](http://www.kings.ac.kr)) or contact Student Affairs Team at [admission@kings.ac.kr](mailto:admission@kings.ac.kr).