

POSTECH

Graduate Admissions Guide for International Students



Fall 2017 & Spring 2018

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POSTECH

GRADUATE
ADMISSIONS GUIDE
FOR INTERNATIONAL
STUDENTS

FALL **2017** & SPRING **2018**

POSTECH

Admissions Timeline

	Application Period	Result Announcement	Semester Begins
The first	February 01, 2017 ~ April 25, 2017 (18:00)	June 13, 2017	Fall 2017 or Spring 2018
The second	April 26, 2017 ~ October 17, 2017 (18:00)	November 28, 2017	Spring 2018

*The timeline is based on Korean Standard Time.

Programs and Degrees Offered

Program	MS	MS-Ph.D. Integrated*	Ph.D.	Course Description
Mathematics	X	0	0	<ul style="list-style-type: none"> - Commutative Algebra - Numerical Analysis, Partial Differential Equations - Applied & Computational Mathematics - Mathematical Foundation of Quantum Field Theory - Algebraic Geometry - Computational Algebraic Geometry, Mathematical signal Processing - Harmonic Analysis, Partial Differential Equations - Geometry Topology Mathematics, Knot Theory & Related Algebra & Homotopy Theory - Number Theory, Computational Mathematics (Coding/Cryptography) - Algebraic Geometry - Geometric Group Theory - Advanced Numerical Analysis, Applied Mathematics, Financial Mathematics - Several Complex Variables, Complex Differential Geometry - Number Theory, Coding Theory & Combinatorics - Harmonic Analysis - Number Theory - Partial Differential Equations, Calculus of Variations - Symplectic Geometry & Mathematical Physics - Mathematical Statistics, Stochastic Calculus, Financial Mathematics, Actuarial Mathematics - Functional Analysis - Analysis, Nonlinear Partial Differential Equations
Physics	X	0	0	<ul style="list-style-type: none"> - Condensed Matter Physics - Biophysics - Astrophysics and Particle Physics - Computational Physics and Statistical Physics - Plasma Physics - Accelerator Physics - Quantum Optics
Chemistry	0	0	0	<ul style="list-style-type: none"> - Physical Chemistry - Organic Chemistry - Inorganic Chemistry - Analytical Chemistry - Polymer Chemistry - Biochemistry

Programs and Degrees Offered

Program	MS	MS-Ph.D. Integrated*	Ph.D.	Course Description
Life Sciences	0	0	0	<ul style="list-style-type: none"> - Structural and Molecular Biology - Molecular Medicine - Cellular and Developmental Biology - Plant Sciences - Biomass - Biodefense (Immunology) - Biosignaling Transduction - Platform Technology
Materials Science and Engineering	0	0	0	<ul style="list-style-type: none"> - Electronic / Photonic Materials - Advanced Structural Materials - Energy / Environmental Materials - Bio / Organic Materials - Computational Materials Science and Engineering / Characterization
Mechanical Engineering	0	0	0	<ul style="list-style-type: none"> - Design / Manufacturing Engineering - Biomechanical Engineering - Thermal Fluid / Energy - Robotics
Industrial & Management Engineering	0	0	0	<ul style="list-style-type: none"> - Big Data Analysis (Data Mining, Process Mining, Patent Mining, Social Network Analysis) - System Optimization - Large-Scale Sustainable System - Robust System Optimization - Service Design and Quality - Smart Information Systems - Human-Centered System Design & Development - User Experience (UX) Design and Engineering - Service Business Development - Financial Engineering - Strategic Technology Management - Future Planning - Risk Simulation - Entrepreneurship & Entrepreneurial Process
Electrical Engineering	0	0	0	<ul style="list-style-type: none"> - Semiconductor & Quantum Electronics - Superhigh Frequency - Electricity & Electronics - Information and Communications/Signal Management - Computer Engineering - VLSI
Computer Science and Engineering	0	0	0	<ul style="list-style-type: none"> - Computer Network - Digital Media - AI and Data Analysis - System and Software
Chemical Engineering	0	0	0	<ul style="list-style-type: none"> - Data Processing & System - Information and Electronics & Materials - Biotechnology - Energy & Environment

Programs and Degrees Offered

Program	MS	MS-Ph.D. Integrated*	Ph.D.	Course Description
Environmental Science and Engineering	0	0	0	<ul style="list-style-type: none"> - Global Climate Change - Statistical Climatology - Biomass (Biorefinery/Bioenergy) Technology - Oceanic Uptake of Anthropogenic CO₂ - Microbiological & Chemical Hybrid - Solar Photoenergy Conversion - Ordered Nanoporous Materials Synthesis - Marine Biomaterials made of Load Bearing Proteins, Metalloprotein, and Structural Carbohydrate - Renewable Energy (Biogas Production) & Bioconversion Process
Interdisciplinary Biosciences and Bioengineering	0	0	0	<ul style="list-style-type: none"> - Network Dynamics - Bio-Complexity and Theoretical Biology - Bioinformatics - Biomedical Engineering - Nanoscale Bioimaging - Bio-Dynamics - Bio-material - Bio-Engineering
Advanced Materials Science	0	0	0	<ul style="list-style-type: none"> - Fundamental Study on Emergent Materials - Synthesis and Applications of Self-assembled Nanomaterials - Polymer Synthesis and Fabrication - Synthesis and Characterization of Polymer and Inorganic materials - Devices based on Self-assembled Materials - Electronic Devices and Light-emitting Devices - Nanomaterials and Nanodevice Physics - Computational design of nanomaterials and Nanodevices - Nano Materials Spectroscopy, Physical Chemistry - Inorganic and Organometallic Chemistry, Radiochemistry - Chemical Biology and Drug Discovery - Organic Chemistry, Modified Nucleic Acid Systems - Nano Chemistry, Inorganic Chemistry
Integrative Biosciences & Biotechnology	X	0	0	<ul style="list-style-type: none"> - Biomass - Biodefense (Immunology) - Biosignaling Transduction - Platform Technology - Structural and Molecular Biology - Molecular Medicine - Cellular and Developmental Biology - Plant Sciences
Advanced Nuclear Engineering	0	0	0	<ul style="list-style-type: none"> - Nuclear Safety & Energy Conversion - Nuclear Physics and Plasma - Radioactive Waste Management
Ferrous Technology	0	X	0	<p>※ Visit the website Graduate Institute of Ferrous Technology (http://gift.postech.ac.kr) for detailed information.</p>

* **MS-Ph.D. Integrated Program:** Under this program, students can work towards a Ph.D. degree after passing the Ph.D. qualifying exam without going through an MS degree.

Eligibility

Criteria	Eligibility										
MS / MS-Ph.D. Integrated Applicant	<ul style="list-style-type: none"> - Must have completed a bachelor's degree - Prospective graduate of undergraduate study (Bachelor's degree must be awarded before enrollment) 										
Ph.D. Applicant	<ul style="list-style-type: none"> - Must have completed a master's degree - Prospective graduate of graduate study for MS (Master's degree must be awarded before enrollment) 										
Nationality	<ul style="list-style-type: none"> - Applicants must meet 1) as well as 2) or 2-1) 1) Those who hold dual Korean and another citizenship are not eligible for International Admissions. 2) Applicants and their parents must hold foreign citizenship. 2-1) Applicants who are Korean-born and foreigner must have received his/her entire education course from 1st grade of elementary school to undergraduate graduation outside of Korea. 										
English Proficiency	<ul style="list-style-type: none"> - Every applicant whose native language is not English must demonstrate English language proficiency. - Applicants who have graduated from a university in Australia, Canada, Ireland, New Zealand, Great Britain, or the United States are exempted from the English Proficiency Test. - Applicants must meet one of the minimum requirements for the following English Proficiency Tests: <table border="1"> <thead> <tr> <th>TOEFL (PBT, ITP)</th> <th>TOEFL (iBT)</th> <th>TOEIC</th> <th>IELTS</th> <th>TEPS</th> </tr> </thead> <tbody> <tr> <td>550</td> <td>79</td> <td>800</td> <td>6.0</td> <td>637</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ※ Proof of Instruction Language may be substituted for the above English proficiency test. This means applicants must submit a document with the institution's seal that proves they completed all of their courses in English. 	TOEFL (PBT, ITP)	TOEFL (iBT)	TOEIC	IELTS	TEPS	550	79	800	6.0	637
TOEFL (PBT, ITP)	TOEFL (iBT)	TOEIC	IELTS	TEPS							
550	79	800	6.0	637							

Procedures at a Glance



POHANG UNIVERSITY SCIENCE AND TECH

How to Apply

Applicants must complete their online application, then submit the required documents by post.

Step 1. Submit Application and Required Documents Online

- 1) Application form (online application)
- 2) Personal Statement and Research Plan (provided form)
 - Download format from the website: <http://admission.postech.ac.kr/linkUsen.do?f=sub3-2>
- 3) Curriculum Vitae (free-form personal resume)
- 4) Copy of Passport
 - Applicants who do not hold a passport may submit it afterwards.
- 5) Signed Consent Form (provided form)
 - Download format from the website: <http://admission.postech.ac.kr/linkUsen.do?f=sub3-2>
- 6) Two Recommendation Letters
 - From two recommenders by academic faculty or supervisors.
 - Must be e-mailed directly by each recommender.
- 7) List of Honors and Awards (optional)
 - Applicants who have received any honors, awards, or fellowships during their undergraduate or graduate studies may list them in the order of importance.

Step 2. Submit Required Documents by Post

- 1) Official Transcript(s)
 - From all undergraduate and graduate institutions the applicant attended.
 - Must be issued by the institution attended, bearing the institution's official seal and signed by the head of the institution.
- 2) Degree Certificate(s)
 - From all undergraduate and graduate institutions from which the applicant received degrees.
 - Applicants who are prospective graduates can submit an enrollment certificate or expectant graduation certificate.
 - Applicants who have graduated from a university in China must additionally submit a certificate issued at the China Academic Degrees & Graduate Education Development Center (CDGDC).
- 3) Score Report of English Proficiency Test
 - The official TOEFL/IELTS Score Report issued by the ETS/British Council can be sent to POSTECH Admissions office directly by requesting it at the ETS/ British Council website. Applicants must enter POSTECH's institution code (0329) in order for the ETS/British Council to send the official score report to our office.

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How to Apply

- TOEFL ITP organized only by POSTECH is accepted.
- Proof of Instruction Language can be substituted for the English Proficiency Test.
- ** Proof of Instruction Language: A one-page document that verifies the instruction language (English) of the applicant's institution. It must have the institution's seal on it.

4) Degree Theses (optional)

Step 3. Pay Application Fee: 80 USD or 80,000 KRW

- The application fee is not refundable.
- Applicants must make the payment for the application fee in order to complete their online application. After the payment is made, the online application is no longer revisable.
- Payment can be made through either of the following ways:

1) Credit Card

- An application number will be given to applicants immediately after making the payments.
- Practicable within Internet Explorer (Firefox, Chrome may not be supportive of this act).

2) Transfer

- Applicants who are not able to make the payments online via credit card can transfer the amount to the university bank account.
- Applicants who transferred the application fee are required to report the act of transfer to the Office of Graduate Admissions and Student Affairs via e-mail (grad-admission@postech.ac.kr). The e-mail should include **the name of the depositor, name of the applicant, and transfer receipt**. An application number will be given to applicants after confirmation.

- Transfer Information:

Bank name: Woori Bank
Account no: 1005-501-138745
Application fee: 80 USD or 80,000 KRW
Account holder: 포항공과대학교 Pohang University of Science and Technology (POSTECH)
Swift Code: HVBKRXSEXXX
Address of the account holder: 77 Cheongam-ro, Nam-gu, Pohang, Gyeongbuk, Korea, 37673 (The bank branch is located within our university)

- * Payment is automatically waived for applicants from POSTECH's partner universities in the payment process.
- To check whether your university is one of POSTECH's partner universities, please follow the link: <http://www.postech.ac.kr/eng/academics/exchange/partner-universities/>

Document

Mailing Address

Admissions office,

Pohang University of Science and Technology

77 Cheongam-Ro, Nam-gu, Pohang, Gyeongbuk, Republic of Korea, 37673

Note

- Applicants must submit the online application before the deadline.
- The "Required Documents by Post" must arrive at the Office of Graduate Admissions and Student Affairs by the admissions deadline. Any documents submitted after the deadline will not be reviewed.
- POSTECH reserves the right to revoke an offer of admission or terminate a student's registration, should it be discovered later that:
 - a false statement has been made;
 - a false document has been provided;
 - documentation has been altered; or
 - if there has been an omission of significant information.
- All documents must be the original versions issued by the institution, bearing the institution's official seal and signed by the head of the institution. All official academic records must be issued in the original language, accompanied by English.

Costs and Financial Aid

1. Estimated Costs

(1 USD is approximately 1,200 KRW as of January 2017)

Tuition fee per year		8,916,000 KRW	7,410 USD
Housing per year	Dormitory for unmarried students	1,175,000 KRW	979 USD
	Apartment for unmarried students	2,400,000 KRW	2,000 USD
	Apartment for married students	3,000,000 KRW	2,500 USD
Graduate Student Association fee (optional) per year		30,000 KRW	25 USD
Meal costs		3,240,000 KRW	2,700 USD
Matriculation fee (only once when enrolling)		898,000 KRW	748 USD
Housing deposit (only once)	Apartment for married students only	200,000 KRW	166 USD

* To reduce financial burden on students in case of illness or injury. Students enrolled in the plan can receive 80% of medical expenses in reimbursement up to 1,000,000KRW per semester.

* Payment should be made through KRW. The USD exchange rate is stated only for reference.

Costs and Financial Aid

2. Health Insurance

All of POSTECH's prospective students **MUST** join or purchase one of the following three insurance plans:

- 1) Health insurance plan of their home country that covers most illnesses or injuries in a foreign land (i.e. Korea). In this case, applicants must submit a document of verification to International Student and Scholar Services (ISSS) prior to their arrival at POSTECH.
- 2) National Health Insurance Service (NHIS). Students are required to pay approximately 40,000 KRW per month, the amount being accumulated since the most recent date of arrival. NHIS provides a wide range of coverage for various injuries and illnesses. Furthermore, instead of getting reimbursed afterwards, patients can pay the discounted amount from the start at the medical institutions.
- 3) Korean Private Health Insurance. Students are required to pay approximately 200,000 ~ 250,000 KRW per year. Please note that the Korean Private Health Insurance covers fewer illnesses and injuries than NHIS. Also, unlike NHIS, patients are required to pay the entire amount at the medical institutions, and then get a certain amount of reimbursement by submitting required evidential documents.

3. Financial Aid

External Financial Aid

▶ Korean Government Scholarship Program (KGSP)

The Korean Government Scholarship Program is designed to support international students pursuing higher education in Korea, with the aim of promoting international exchange in education, as well as mutual friendship amongst the participating countries. POSTECH is one of the designated universities in Korea, and the application period is from February to March every year.

▶ POSCO Asia Fellowship

Awarded to prospective applicants from Asian countries that will be enrolled in Fall 2017. POSCO Asia Fellows are recommended by POSTECH to the POSCO TJ Park Foundation after they pass POSTECH's admissions process. Students who have an Asian nationality and wish to be recommended as POSCO Asia Fellows may indicate it in their online application.

Internal Financial Aid

▶ POSTECH Teaching or Research Assistantship (TA/RA)

Available to graduate students who are selected as teaching or research assistants by their advisors. It is mostly mandatory for students but may be different depending on each department's regulation. Living allowance, tuition fee and dormitory fee would be covered by this assistantship.

▶ POSTECH Settlement Allowance for New International Students

Eligible to incoming international graduate students from the outside of Korea and specially separated from the other internal scholarships.

*The amount and eligibility criteria are subject to change without prior notice.

Appendix 1: Frequently Asked Questions

Application

Q1 I am in my last semester of bachelor's/master's degree. Am I eligible to apply for the master's/doctoral degree for the following semester?

Applicants who are in their last semester of bachelor's or master's degree are eligible of applying for the enrollment of the following semester under the condition that their bachelor's/master's degree will be awarded before they enroll at POSTECH.

Q2 Do I have to send the documents that I uploaded during the online application process by post?

The documents applicants uploaded online will be printed out by the Graduate Admissions and Student Affairs Office. Therefore, applicants only need to send the aforementioned documents listed in "Submit Required Documents by Post."

Q3 How will I know whether my documents have arrived?

The status of delivery can be checked in our online admission system.

Q4 How do I pay the application fee online?

Applicants must pay the application fee via credit card. However, if applicants have problems with making their payment online via credit card, follow the following instructions:

- 1) Install payment system program (Active X).
- 2) POSTECH's payment system (LG U+) adopts 3D-Secure authentication via VISA or MASTER. If you have a card that does not obtain 3D-Secure authentication, payment is not possible. Therefore, applicants should apply the 3D-Secure authentication to their card firm in order to be able to make the payments.

Q5 What if I want to revise my online application?

Applicants are able to revise their online application until they press on the final "Submit" button and make the application payments. In the process, they can save and revise their application continuously until the deadline. After applicants make their payments or the deadline is over, it is no longer possible for applicants to edit their application.

Q6 I am currently a prospective graduate. When do I have to submit my degree certificate/certificate of graduation?

Applicants who are not able to submit their degree certificate/certificate of graduation at the stage of their online application because they are prospective graduates are required to submit the certificate after they are enrolled in POSTECH. It should be submitted to the Office of Graduate Admissions and Student Affairs.



Language Proficiency

Q1 What if I do not meet the required score for English proficiency?

Since POSTECH's language of instruction is mainly English, prospective students must reach an average level of English proficiency. Therefore, all applicants are required to prove their English proficiency through an official test or either a document that proves the instruction language of applicants' institution. Refer to the contents of "Eligibility" previously.

Q2 Is the Institutional Testing Program (ITP) hosted by institutions other than POSTECH acceptable?

ITP held by other institutions is not acceptable when applying to POSTECH's graduate program. Only that hosted by POSTECH is valid.

Q3 Can other English Proficiency Tests (e.g. GRE) substitute the English Proficiency Tests listed previously?

No other English Proficiency Tests can substitute the English Proficiency Tests listed previously. You have to acquire the minimum score of at least one of the previously indicated tests. However, if you do possess other English Proficiency Score or certificates, you can submit them along with the compulsory requirements.

Q4 How can I get a document for "Proof of Instruction Language"?

Applicants whose institution performs all of the lectures in English are qualified to substitute the English Proficiency Test with a document that verifies the institution's instruction language. If the applicant's institution does not have such an official document, he/she can submit other documents (e.g. transcript, enrollment certificate, etc.) with the institution's original seal and the following phrase: "It is hereby verified that the instruction language of (institution's name) is English."

Q5 Do I have to be proficient in the Korean language?

Korean Language Proficiency is not an essential requirement for application. However, applicants who have minimum capacity in Korean can be preferred.

Financial Aid

Q1 How can I apply for the Korean Government Scholarship Program (KGSP)?

The notice regarding the Korean Government Scholarship Program (KGSP) is posted between the beginning of February and mid-March every year. Applicants can choose to apply for KGSP through one of the following two tracks:

- 1) Applying to POSTECH directly and then being recommended to GKS
- 2) Being recommended by the Korean Embassy at the applicant's country to designated universities

Please keep an eye on the notice board of our website (<http://admission.postech.ac.kr/mainUsen.do>) or of the government website (<http://www.niied.go.kr/eng/index.do>) for further updates and more information.

GRADUATE ADMISSIONS GUIDE FOR INTERNATIONAL STUDENTS

Appendix 2: Contact Information

POSTECH Homepage: <http://postech.ac.kr/>

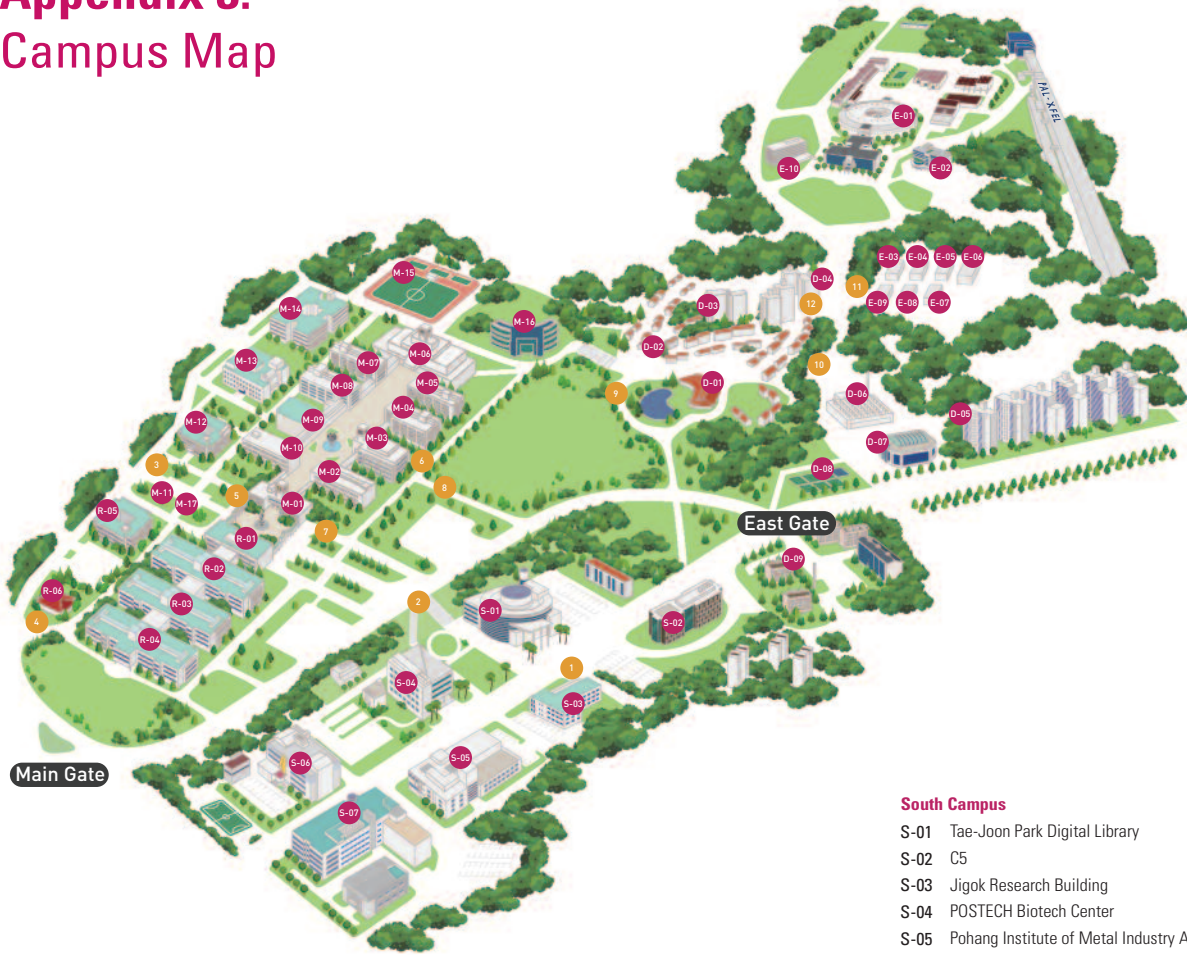
Administration Office

Office	E-mail	Homepage
Graduate Admission & Student Affairs	grad-admission@postech.ac.kr	http://admission.postech.ac.kr/
Housing	h-sm@postech.ac.kr	http://hsm.postech.ac.kr
International Relations (International Student and Scholar Services)	iao@postech.ac.kr	http://international.postech.ac.kr/

Department/School/Division/Institute Office

	Office	Homepage
Department	Mathematics	http://math.postech.ac.kr
	Physics	http://ph.postech.ac.kr
	Chemistry	http://chem.postech.ac.kr
	Life Sciences	http://life.postech.ac.kr
	Materials Science and Engineering	http://mse.postech.ac.kr
	Mechanical Engineering	http://me.postech.ac.kr
	Industrial & Management Engineering	http://ime.postech.ac.kr
	Electrical Engineering	http://ee.postech.ac.kr
	Computer Science and Engineering	http://cse.postech.ac.kr
School	Interdisciplinary Biosciences and Bioengineering	http://ibio.postech.ac.kr/
Division	Environmental Science and Engineering	http://see.postech.ac.kr
	Advanced Materials Science	http://ams.postech.ac.kr
	Integrative Biosciences & Biotechnology	http://ibb.postech.ac.kr
	Advanced Nuclear Engineering	http://dane.postech.ac.kr
Institute	Ferrous Technology	http://gift.postech.ac.kr

Appendix 3: Campus Map



Main Gate

East Gate

Main Campus

- M-01 Administration Building
- M-02 Science Building I
- M-03 Hogil Kim Memorial Hall
- M-04 Science Building II
- M-05 Science Building IV
- M-06 Student Union Building
- M-07 Science Building V
- M-08 Science Building III
- M-09 Auditorium
- M-10 Mathematical Science Building
- M-11 Nobel Garden
- M-12 POSTECH Information Research Laboratorie
- M-13 LG Cooperative Electronics Engineering Building
- M-14 School of Environmental Science and Engineering Building
- M-15 Sports Field
- M-16 POSCO International Center
- M-17 Tae-Joon Park Statue

Dormitories and Residentials Area

- D-01 Jigok Community Center
- D-02 Student Dormitories
- D-03 Residential College
- D-04 Graduate Student Apartments
- D-05 Faculty Apartments
- D-06 Gymnasium
- D-07 POSPLEX
- D-08 Tennis/Futsal Court
- D-09 Posville Apartments
- D-10 Log Cabin

East Campus

- E-01 Pohang Accelerator Laboratory
- E-02 National Institute for Nanomaterials Technology
- E-03 Life Science Building
- E-04 Machine Shop
- E-05 Mechanical Engineering Laboratories Building
- E-06 Wind Tunnels
- E-07 Research Building
- E-08 Research Building
- E-09 Chemical Engineering Laboratories Building
- E-10 POSCO/RIST Laboratories Building

South Campus

- S-01 Tae-Joon Park Digital Library
- S-02 C5
- S-03 Jigok Research Building
- S-04 POSTECH Biotech Center
- S-05 Pohang Institute of Metal Industry Advancement
- S-06 Korea Institute of Robot and Convergence
- S-07 Graduate Institute of Ferrous Technology

Research Institute of Industrial Science & Technology(RIST)

- R-01 RIST Administration Building
- R-02 RIST Research Building I
- R-03 RIST Research Building II
- R-04 RIST Research Building III
- R-05 RIST Research Building IV
- R-06 RIST Cafeteria

Main Gate East Gate

- 01 Jigok Boulevard
- 02 Cheong-Am Road
- 03 Young-Sung Road
- 04 Ik-Yang Street
- 05 Nobel Circle
- 06 University Road
- 07 Administration Circle
- 08 Mueunjae Street
- 09 Pond Lane
- 10 Synchrotron Road
- 11 Research Circle
- 12 Future Drive

POSTECH

For More Information

We look forward to receiving your application.

If you have questions about admissions and / or financial aid, please contact us or visit our website:

POSTECH Admissions

Pohang University of Science and Technology

77 Cheongam-Ro Nam-gu, Pohang, Gyeongbuk, Republic of Korea, 37673

Tel. +82-54-279-3782 **Fax.** +82-54-279-3725

E-mail. grad-admission@postech.ac.kr

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