

Major Achievements



International Collaborative Research with

MIT

from 2021 until 2025(5 years)

In collaboration with MIT, the world's leading university in artificial intelligence, we aim to produce outstanding research outcomes and promote human resources and international exchange through AI-based interdisciplinary research (AI for X).

Details

- International Collaborative Research in AI+X: To conduct joint research between AI experts from MIT and applied sciences experts from GIST.
- AI Convergence Talent Development: To operate human resource exchange programs to enhance international competitiveness

Outstanding Research Outcomes

- 13 papers (out of 40) in the top 10% of SCI journals
- 40 presentations at prestigious international conferences
- 13 patent registrations and applications (4 international applications, 9 domestic applications)

Development of World-Class

Laser Plasma Technology

- Utilizing ultrahigh intensity laser technology in various fields such as space science and defense
- Achieved the world's highest intensity of 10^{23} W/cm² through efficient spatiotemporal compression of a 4PW laser without additional intensity increase
- Contributing to global leadership in ultrahigh intensity laser science and the creation of new fields of physical research
- Advancing Korea's basic science to a world-class level through research in relativistic laser science

Entrepreneurship Achievements (Cumulative)

Ranked 1st
in Entrepreneurial Performance in the Maeil Business Newspaper University Entrepreneurship Index (2023)

Ranked 3rd
in Student Startup Support in Science and Engineering University Evaluation conducted by Korea Economic Daily (2021)

● Faculty ● Researchers ● Students

	Startup Companies	45	19	67	131 companies
	Revenue	83.7	29.2	93	205.9 billion KRW
	Employment	1,312	162	813	2,287 employees
	Investment	139.3	0.7	40.8	180.8 billion KRW

GIST Vision

A principal research institute in science and technology that creates better future value for humanity



Objective	World Universities Rankings Top 50			
Main Tasks	Education	Research	Performance Diffusion	
	Establishing a full-cycle advanced science and technology talent development roadmap	Performing mission-oriented R&D and improving research quality	Spreading high value-added performance and creating value	
Core Values	Global Asset	Insight for Innovation	Solution 4 Securities	Tolerance for Trust
Core Values Strategy	 Potential-Up	 Harmony-Up	 Value-Up	
Strategic objectives	Strengthening capabilities through multidisciplinary integration	Community harmony through empathy and inclusion	Value enhancement based on networking	
Performance objectives	Cultivating innovation-leading, advanced science and technology specialists	Enhancing organizational integrity for sustainable development	Leading high value-added technology commercialization and start-ups	

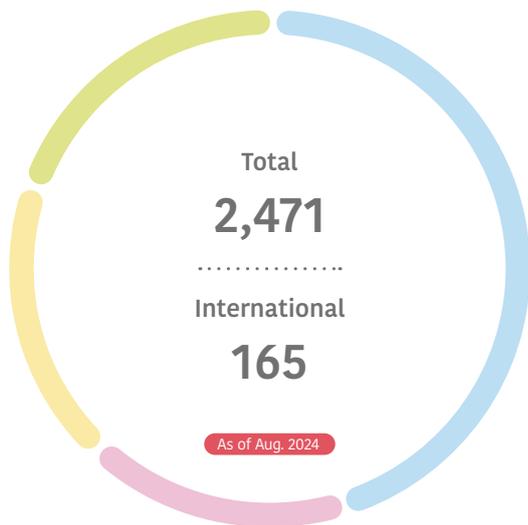
GIST at Present

Faculty and Staff

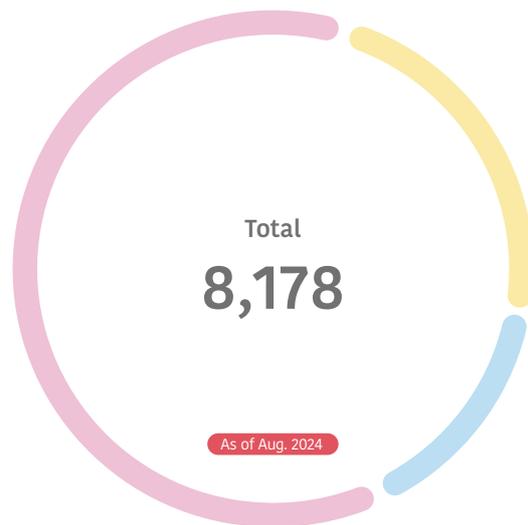
As of Aug. 2024

Faculty				Research Scientist				Staff				Total	
206				34				228				463	
EECS	SMSE	SMRE	SEEE	SLS	DPH	DC	BMSE	SIT	EC	AI	DSE	Other	
23	21	18	23	24	16	17	11	11	7	12	2	21	

Student Enrollment



Graduates



Classification	B.S.	M.S.	Ph.D.	M.S / Ph.D.
Total	1,116	414	458	483
International	37	36	71	21

B.S.	M.S.	Ph.D.
1,264	5,023	1,891

※ The student-faculty ratio at GIST 12:1 (2,471:206)

Abbreviations of Academic Units at GIST

EECS	School of Electrical Engineering and Computer Science
SMSE	School of Materials Science and Engineering
SMRE	School of Mechanical and Robotics Engineering
SEEE	School of Environment and Energy Engineering
SLS	School of Life Sciences
DPH	Department of Physics and Photon Science

DC	Department of Chemistry
BMSE	Department of Biomedical Science and Engineering
SIT	School of Integrated Technology
AI	Artificial Intelligence Graduate School
DSE	Department of Semiconductor Engineering

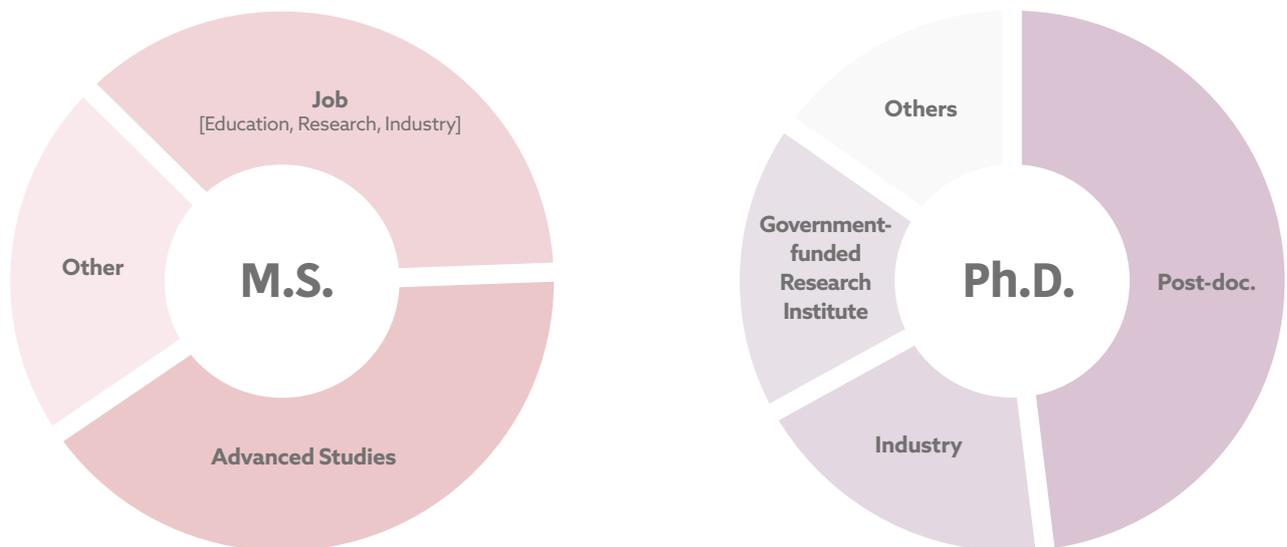
※ The AI Graduate School and the Integrated Technology will merge to form the Department of AI Convergence in February 2025.

High Quality Education

<p>Small group learning</p> <p style="font-size: 2em; color: red; text-align: center;">12:1</p> <p style="text-align: center;">Ratio of student-to-faculty</p>	<p>Papers per year</p> <p style="font-size: 2em; color: red; text-align: center;">6</p> <p style="text-align: center;">An average of SCI journal papers per Ph.D. graduate for 2023</p>	<p>Opportunities for</p> <p style="text-align: center;"></p> <p style="text-align: center;">short/long-term overseas research</p>	<p>13% of Ph.D. graduates</p> <p style="text-align: center;"></p> <p style="text-align: center;">are hired as tenure track faculty in major universities both in Korea and overseas</p>
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Careers after Graduation

As of Feb. 2024



242 Out of 1,891 doctoral graduates have obtained full-time faculty positions at a number of universities throughout the world

QS World University Rankings 2025-Citation per Faculty index



Ranked in the world 4th



Ranked 1st in the Republic of Korea for 17 consecutive years

Rank	Institution	Country
1	Harvard University	United States
2	Anna University	India
3	Princeton University	United States
4	Gwangju Institute of Science and Technology	South Korea
5	California Institute of Technology (Caltech)	United States
6	City University of Hong Kong	Hong Kong SAR
7	Amirkabir University of Technology	Islamic Republic of Iran

Academic Policies



Graduation Time Limit

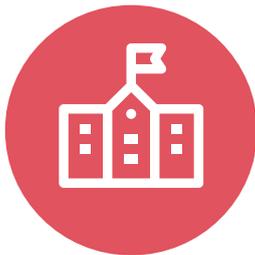
The institute offers M.S., Ph.D. and integrated M.S. and Ph.D. degree programs. Students are expected to maintain full-time student status and continuous enrollment until the completion of all requirements.

It normally takes two years to finish a M.S. program and four years for a Ph.D. program. The maximum completion period for the M.S., Ph.D. and M.S./Ph.D. programs are three years, seven years and eight years respectively.

Academic Year

The academic year consists of two semesters, each comprising 16 weeks of instruction. The first semester begins on the last week of February or on the first week of March. The second semester begins on the last week of August or on the first week of September.

Distinctive Academic Programs and Features



Intensive Education for Highly Qualified Students

- Research-oriented graduate programs
- Student-faculty ratio 12 : 1
- Academic departments specialize in key areas of science and technology

Optimal Academic Environment

- All students are exempt from tuition fees
- Dormitories are provided for single students and apartments are provided for married couples on a first-come, first-served basis
- Practical courses are offered to meet the industrial field's needs
- Students' club activities and start-up businesses are encouraged

Financial Support

* Exchange Rate: 1 USD = 1380.1 KRW (as of Aug. 01, 2024)

Tuition Assistance All Students

Tuition fully supported : KRW 3,607,000 per semester

Matriculation Fee Waiver Applicable to some applicants

The one-time matriculation fee of KRW 680,000 will be charged to all newly enrolled students. Applicants who submitted the Matriculation Fee Waiver Form may be exempted from the fee only if his/her request is accepted by the admission committee of GIST.

Monthly Stipends All International Students

· 600,000 won per month for 1st year of M.S., and 700,000 won per month for 2nd year of M.S. and 1,000,000 won per month for Ph.D. will be guaranteed as a minimum.

- Student allowance (M.S.: 140,000/month, Ph.D. : 295,000/month)
- International student allowance (120,000/month)

- Meal allowance (100,000/month)
- Research assistantship (See detailed below)



Housing All Students

Dormitory & Apartment (as of 2024, KRW)

* Housing fees may increase every year.

Accommodation	Room type (Bldg. #)	Monthly fees	
		2023	Deposit
Dormitory (Graduate)	Single (8)	148,600	150,000
	Double (1~7)	89,400	
	Double (9)	122,100	
Married Student Apartment	E / F	132,700	300,000
	E / F (Renovated)	196,400	600,000
	G	185,800	

* Utility fees are charged separately

* Additional costs may occur for wall papering or flooring

Health Insurance All International Students

- 60% of the national insurance fee
- 100% of the annual medical checkup fee

Flight Reimbursement All Incoming International Students

- Reimbursement for a one-way flight to Korea - One time only

Admissions Guide

Admission Schedule

Semester	Spring Semester (Begins in March)	Fall Semester (Begins in September)
Application Period	September 11 ~ October 11 (KST)	March 14 ~ April 14 (KST)
Examination of Documents	15 Days	15 Days
Documents Review	30 Days	30 Days
Notification of Admissions Result	December 6th, 2024	June 5th, 2025
Enrollment Deadline	January 6th, 2025	July 4th, 2025

※ The dates above are subject to change without prior notice.

Application Deadline

Spring Semester : October 11th 2024 (K.S.T.)

Fall Semester : April 14th 2025 (K.S.T.)

※ Late submission is not allowed.

Qualification

Applicants who hold or expect to hold a final degree before enrollment at GIST
(Spring Semester : by 1st week of January | Fall Semester : by 1st week of July)

※ GIST does not accept the hope certificate, provisional certificate, or a confirmation letter of graduation as equivalent to a final degree certificate. Therefore, please consider your graduation(degree conferment) schedule first before you apply to GIST Graduate School.

※ Bachelor's degree must be equivalent to a Korean Bachelor's degree which requires four years of study

* Compare with the Korean system at WHED. (<https://www.whed.net/>)

Application Procedure

<p>STEP 1</p>	<p>Submit the online application with required documents</p> <p>Choose your field of study and complete all relevant sections of the online application form. The online application form is accessible at https://service.gist.ac.kr/admission/graduate/foreigner</p> <p>Please use a computer with a Windows-based operating system.</p> <p>All documents must be in English or Korean. Documents in a language other than English or Korean must be translated into either English or Korean by the institutions that issued those documents or by a public notary office.</p> <p>※ Applicants who fail to submit required documents within the application deadline will be disqualified. ※ Before you begin, please click the 'Applications Guide' button, which can be found below the login button, to access and check the online application guidelines.</p>
<p>STEP 2</p>	<p>Check your email regularly</p> <p>GIST Admission Team or the department you applied to may try to reach you for notification or an interview, if necessary.</p>
<p>STEP 3</p>	<p>Notification of the admission result</p> <p>Notification of final result will be sent to the email address, which you registered in the online application system. Successful candidates must respond to the admission offer until the specific date that GIST provides.</p>
<p>STEP 4</p>	<p>Enrollment requires submission of enrollment document and paying the matriculation fee</p> <p>If you decide to accept the admission offer of GIST Graduate School, you must submit the enrollment documents, which will be notified to successful candidates, via post and pay the matriculation fee by the registration(enrollment) deadline.</p> <p>If the enrollment documents do not arrive at GIST Admission Team or the matriculation fee is not paid by the deadline, the admission offer will be revoked.</p> <p>※ Students who are exempted from the matriculation fee also need to submit the enrollment document by the enrollment deadline.</p>
<p>STEP 5</p>	<p>Submission of verified academic certificates</p> <p>Successful applicants must submit their original degree certificate and transcript, which are apostilled or authenticated by Korean Embassy, via post within 10 days after enrollment.</p> <p>※ The verified documents submitted to GIST will not be returned. So, if the original academic certificate cannot be re-issued, please obtain apostille or consular confirmation on a certified copy.</p> <p>Students who graduated from universities in China must submit the verification report issued by CSSD (学信网, http://www.chsi.com.cn)</p>
<p>STEP 6</p>	<p>Apply for a student visa</p> <p>In order to apply for a student visa, you need to obtain a student visa application form. This form is available at the Embassy of the Republic of Korea in your home country. When you apply for a visa, you must attach the Certificate of Admission to the application form. After you receive your visa, you can contact the GIST International and Public Affairs Team or the department you applied to ask help in arranging your travel to Korea.</p>

Required Documents

* All required document should be uploaded on your online application

Documents	Note
<p>Submission of the online application https://service.gist.ac.kr/admission/graduate/foreigner</p> <ul style="list-style-type: none"> The online application system is optimized to the Windows operation system. Please use a computer with a Windows-based OS. Multiple applications from a single applicant within a single application term are strictly prohibited. In the event that an applicant submits applications for more than one department or degree program, he/she shall be disqualified. 	Compulsory
<p>Official degree certificates and transcripts</p> <ul style="list-style-type: none"> For all undergraduate and graduate degree programs Apostille or notarized copies will be accepted (Notarized by Korean Embassy is preferred.) If you are expected to graduate, you can replace your degree or diploma with a certificate of the expected graduation or an official letter from your university confirming your expected graduation. The replacement must include your name, the degree to be conferred, and the date of degree conferment. If it omits any of those information, GIST will not accept the replacement. Transcripts must include information of the grading system, courses completed, grades or marks earned, cumulative grade points average (CGPA) and personal rank (if possible). If the transcript does not indicate the grading scale, submit a supplementary document describing the university's grading system. Applicants who graduated from universities in China can substitute official degree and transcript with verification report issued by CSSD (学信网, http://www.chsi.com.cn) 	
<p>Two letters of recommendation</p>	
<p>An Official English proficiency test score report</p> <ul style="list-style-type: none"> Minimum scores: 80(TOEFL iBT), 550(TOEFL PBT), 6.5(ELTS Academic module), 750(TOEIC), 285(TEPS) ※ The English test must have been taken within two years prior to the application deadline. ※ Please be aware that GIST does not accept TOEFL ITP or Duolingo scores as valid proof of English proficiency. 	
<p>A copy of the applicant's passport</p>	
<p>A letter of recommendation from your department chair for the Matriculation Fee Waiver</p>	
<p>A certificate of English language proficiency issued by the president or the dean of the last school attended [for Conditional Admission only]</p>	If applicable
<p>Additional Reference</p> <ul style="list-style-type: none"> School profile of the university you attended or are attending. (It may include information about demography, programs, grading system, and ranking.) List of honors and awards with the documents to prove your academic achievements. 	

Study Plan in the Online Application Form

Your typed statement is a very important part of your application and is reviewed with great care. We would like your statement to address your past and current professional experiences, your academic interests and objectives, and your future goals. In addition, please feel free to add any other relevant information. It is important that the statement of purpose is fully representative of who you are, how our program matches your academic needs, and what you will do after graduation.

Two Letters of Recommendation

Google Survey Form

We receive recommendation letters only electronically through Google Forms from the referees you register on GIST online application system.

In the online application form, you will be required to fill in the information of your referees. Then, if you click the "Send a Recommendation Form" button, each of the two referees will receive an automated email regarding how to upload a recommendation letter through the Google Forms.

Before you click the button, please double-check the referees' email addresses are correct. If those are not correct, your referees cannot receive the automated email from GIST.

Referees must use the designated recommendation form and upload their recommendation letters on Google Forms by the application deadline.

People who have worked closely with you in either academic or professional field such as faculty members or work supervisors are eligible for writing the recommendation letter.

If the referee information you entered in the online application form or the submitted recommendation letter is found to be false or counterfeit, GIST reserves the right to revoke your admission or withdraw an offer of admission even after having graduated from GIST.

Important Notes

If any information entered in the online application form or the submitted material is found to be false or counterfeit, GIST reserves the right to revoke your admission or withdraw an offer of admission even after having graduated from GIST.

Applicants are responsible for any submission errors or mistakes that fail to adhere to the admission guide.

Please check your email regularly. GIST Admission Team or the department you applied to may try to reach you for notification or an interview, if necessary.

GIST will notify the application result to each applicant by email on the result notification day.

Successful applicants whose graduations were pending at other institutions during the time of application must submit their final degree certificates and transcripts, which are apostilled or authenticated by Korean Embassy, within 10 days after the enrollment deadline. Failure to submit these documents may result in enrollment cancellation.

GIST Graduate School strictly prohibits multiple enrollments. All admitted students must have completed their degree programs before enrollment in GIST, and must not enroll in other institutions or universities until they complete their degree programs at GIST.

English Requirements

Conditional Admission

Because English is the language of instruction at GIST and success in graduate study depends on English language competency, official English test score must be presented by applicants who are not native born citizens of Australia, Canada, Ireland, New Zealand, the UK or the USA as part of their application. Applicants holding bachelors or advanced degrees from universities/institutions physically located in one of the countries listed above may be exempted from English requirements with prior approval of GIST.

In general, the minimum TOEFL score required for GIST graduate programs is 80 of IBT, 550 of PBT. We also accept the score of IELTS, TOEIC and TEPS (Test of English Proficiency developed by Seoul National University). The minimum score for acceptance is 6.5 of IELTS, 750 of TOEIC and 285 of New TEPS.

Applicants from countries that do not hold official English tests (TOEFL, IELTS, TOEIC or TEPS) or other applicants for whom it is not possible to take such tests owing to unavoidable circumstances, such as schedule conflicts or excessive economic burden, may apply without official English test score as a conditional admission. Conditional admission requires applicants to submit documentation related to English proficiency issued by the President or the Dean of the last school attended. There is no specific form of the certificate of English language proficiency, but it must indicate that the medium of instruction was English.

Successful students admitted to GIST with conditional admission due to unavailability of official English test results must, within 6 months from the date of admission, submit official English test results that meet the application criteria of the Institute. These results should be sent to the Section of Admissions and receive approval from our Academic Affairs Review Committee. Any persons who have been conditionally admitted to GIST, but fail to fulfill the requirements stated above, will automatically be removed from the school register 6 months after the date of admission.

We strongly encourage you to take an official English test and submit the score result when you apply to GIST graduate school. Some Embassies of the Republic of Korea may ask you to submit the official English test score for VISA application.

Matriculation Fee

To complete the enrollment process at GIST, all admitted students are required to pay a non-refundable Matriculation Fee of 680,000 won. Successful applicants must pay the fee by the enrollment deadline.

Matriculation Fee Waiver Application

GIST offers applicants who are facing financial difficulty matriculation fee waiver. If you cannot afford the matriculation fee due to extreme poverty, please submit a recommendation letter of matriculation fee waiver **written by the department chair** of your last attended/current university via the online application system. Also, it is important to click the "Application for matriculation fee waiver" button on the online application form to ensure that the system recognizes your request.

The Document Review and Evaluation

GIST wants applications from candidates who have strong academic potential, high motivation for pursuing a career in the areas of science and technology, and focused intellectual and professional interests.

One's study plan, professional experience, and letters of recommendation can be very important factors as well as an applicant's academic records and professional background. Strong academic records and high test scores do not ensure admission. Other kinds of achievement, such as the overcoming of economic, societal or educational obstacles are also important.

The document review is based on a comparison of the applicant's qualifications among all those who apply. The school then weighs the general admissions criteria in ways that can ensure the diversity of student background, experience, and interest. Each year, the number of applicants may outnumber the available enrollment. Therefore it requires the complex task of selection involving a careful evaluation of past accomplishment and future promise.

Appendix 2

Matriculation Waiver application Form Optional

A Letter of Recommendation for the Matriculation Fee Waiver

To the Applicant:

Please fill in your information below, and deliver this form to the person who will write a letter for you. After you receive the LOR for matriculation fee waiver from him/her, please upload it in the online application system.

Applicant Information

- GIST Application Number:
- Name:
- Nationality:
- Desired Program(■): M.S. Ph.D. M.S./Ph.D.
- Intended Department:

To the Recommender :

Please fill the answer by typing in with your computer, and then print out to handwrite the signature.

* We do not accept an electronic signature or a stamp.

* We only accept a recommendation letter of matriculation fee waiver that is written by the **department chair** of the applicant's last attended university.

Why should this applicant be exempt from paying the Matriculation Fee?

I hereby duly recommend the aforementioned applicant, and I have carefully filled out this letter of recommendation for matriculation fee waiver.

Recommender Information

- Name:
- Position/Title:
- University:
- Phone Number:
- E-mail Address:

- Signature: _____ (here)
- Date: _____, _____, _____ ex) YYYY. MM. DD.