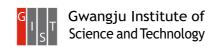
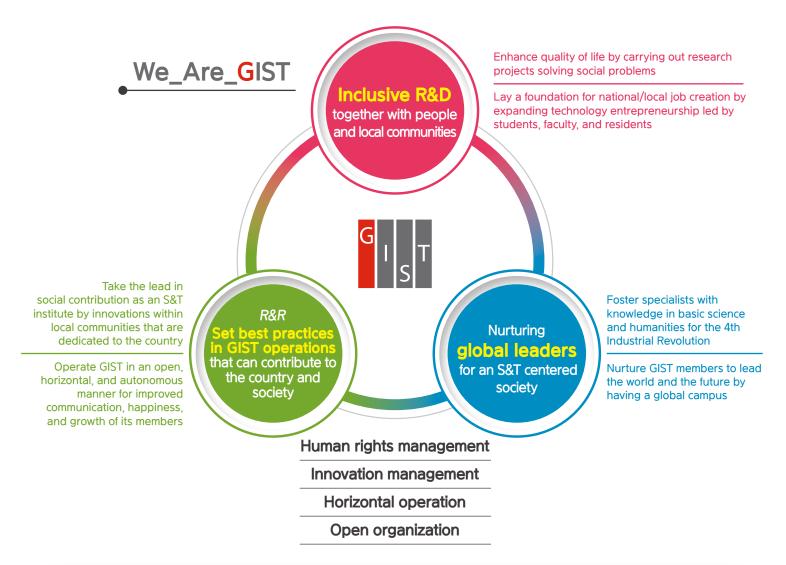
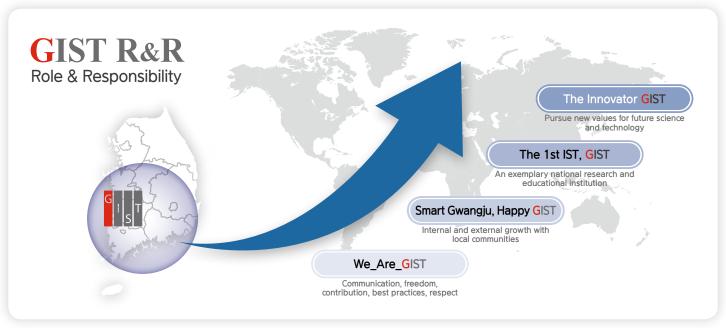


A Global Frontier for Science & Technology









Overview











Enrolled students	Bachelor's 969(1)	Master's 374(41)	PhD 584(66)	Combined MS/PhD 410(17)	Total 2,337(125)	() refers to Internationals	
Staff	Faculty 196			Employee 220	Total 445		
Facility	Total area 630,741.9m² (495,865.9m² for graduate school, 134,876m² for college) Building 257,411.16m² (including 2,314m² for APT complex outside GIST)						

No. of graduates

Bachelor's **672** Master's **4,286(301)**

PhD **1,403(137)** Total 6,361(438)

() refers to Internationals

*As of Mar. 1, 2020

Global GIST

An exclusive partner with Caltech among universities in Korea

- Signed a GIST-Caltech MoU for exchange and cooperation (Oct, 11, 2012)
- Established the GIST Caltech Research Institute(GCRI), a joint research center
- Student exchange programs, credit granted for Caltech regular courses/Caltech tenure-track faculty invitation
- Presentation of research outcomes at annual GIST-Caltech Workshop
- GIST-Caltech student exchange programs during summer session
- Caltech SURF

Global Campus

- Erasmus Plus
- · Global Lounge
- Global Intern Program (GIP)
- Student Exchange (Mobility) Program
- Mandatory submission of graduation thesis in English
- The percentage of foreign students and faculty has exceeded 10% of the total since its inception
- Supported students to complete their studies at world renowned universities in S&T (Caltech · UC Berkeley · Boston University (US), University of Cambridge (UK), Technion – Israel Institute of Technology, etc.)

Main Achievements

TOP5

in QS World University Rankings 2020

Ranked the world's 5th in Citations per Faculty by Quacquarelli Symonds (QS)/1st in Korea for 12 consecutive years

4th Industrial Revolution Convergence

Startup Technology Commercialization

Social Contribution & Community Engagement

Rank	Name of Institute		Country
1	King Abdullah University of Science and Technology	5.013 —	Saudi Arabia
2	Indian Institute of Science	•	India
3	Princeton University		USA
4	California Institute of Technology		USA
5	Gwangju Institute of Science and Technology	# • #	Republic of Korea

- Ranked 46th in the Times Higher Education (THE) Young University Rankings (under 50 years)/ 4th in Korea
- Ranked 33rd in Asia in the World's Most Innovative Universities 2019/11th in Korea (by Thomson Reuters)
 - A project to build an Al-based industrial convergence complex has been finalized
 - KRW 406,1B will be spent over the next 5 years to establish an Al-based startup cluster in the Gwangju Science Valley District 3
- Develop core technologies to lead the 4th Industrial Revolution Carry out GIST Innovative (G,I,) 4,0 studies
- Establish and operate Institute of Integrated Technology

Best entrepreneurial index of 4-year colleges in Korea for 3 consecutive years (2017–2019 MK Economy)

- •1st in entrepreneurial infrastructure/performance (2019, entrepreneurial index of 4-year colleges by MK Economy)
- •1st in technology transfer/student startup rate (2019, engineering college assessment by Korea Economic Daily)
- Grand Prize for Korea Social Contribution Awards in 2018
 - Established a social contribution group and carried out programs for community engagement both in Korea and overseas



- Nobel laureates serve as heads of NRCs to conduct joint studies with GIST researchers
- · Improve research capabilities through constant exchanges with great scholars of the world



Heeger Center for Advanced Materials

Alan J. Heeger Nobel Prize in Chemistry (2000)





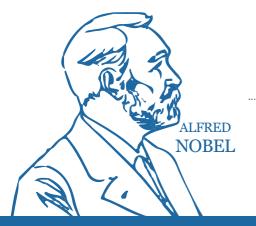
Ertl Center for Electrochemistry and Catalysis

Gerhard Ertl Nobel Prize in Chemistry (2007)



Steitz Center for Structural Biology

Thomas A. Steitz Nobel Prize in Chemistry (2009)





Grünberg Center for Magnetic Nanomaterials

Peter A. Grünberg Nobel Prize in Physics (2007)



Amano Center for

Hiroshi Amano Nobel Prize in Physics (2014)



Grubbs Nobel Research Center

Robert H. Grubbs Nobel Prize in Chemistry (2005)

GIST Research Institute

APRI

Advanced Photonics Research Institute

- ·Established in 2001, to develop science and technology by focusing on outstanding R&D in photonics and photonic technologies and fostering photonics experts
- ·Built on the world's best research facilities that includes a 4.2 PW laser system, conduct basic studies on laser-plasma interactions, elec trons, par ticle acceleration, x-ray generation, femtosecond laser spectroscopy, and THz optics

RISE

Research Insitute for Solar and Sustainable Energies

- ·Established in 2009 to secure original technologies for new and renewable energies and to promote their commercialization
- Respond to climate change, future energy crisis and environmental problems, carry out R&D activities and convergence study for next-gen smart energy community including next-gen solar cells, energy storage/operation system as essential technologies for the future

KCTI

Korea Culture Technology Institute

·Established in 2013

•To conduct research and development activities on combined technologies with cultural industries based on interdisciplinary exchange and convergence among science and technology, design, culture and arts, humanities and social sciences in accordance with article 17–5 (Designation, etc. of Supervising Institute for Research of Cultural Technology) of the Framework Act on the Promotion of Cultural Industries

ARI

Aging Research Institute

- ·Life Aging Convergence Research Institute was founded in 2013 and was renamed as Aging Research Institute and its organization was expanded in 2015
- ·Uses extensive and multidisciplinary approaches to identify aging symptoms and pathology of senile disorder to respond to challenges of a super aging society, control the aging process, and develop original technologies for age-friendly business

IER

International Environmental Research Institute

- ·Established in 2001 as a UN University Institute at GIST
- ·IERI has conducted multiple joint international environmental studies to foster environmental experts, support the development of technologies to tackle challenges of climate change at home and abroad, and contributed to the improvement of the global environment and human well-being

GIA

GIST Institute for Artificial Intelligence

- ·Established in 2017 to serve as a leading research institute in future AI R&D efforts
- ·GIAI leads global R&D in the era of 4th Industrial Revolution and aims to solve various social issues based on AI research and drive innovative growth of Korea and local communities by successfully completing the 'creation of an AI-based industrial convergence complex (national agenda for local communities)'

GT

GIST Technology Institute

Technology Commercialization Center

GIST Business Incubator Business Support Center

·Established in 2005, GIST Technology Institute supports IPRs and R&D for commercialization of promising technologies owned by GIST, technology transfer and commercialization, and serves as a hub for startups to contribute to the national economy and industrial development by spreading GIST research outcomes.

CoReLS

Center for Relativistic Laser Science

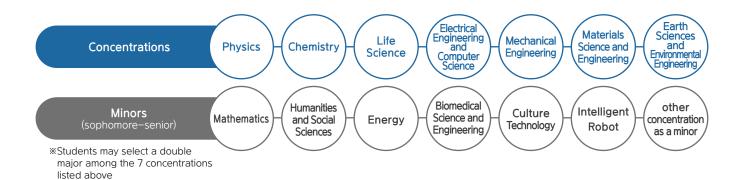
- ·Established 2012, Center for Relativistic Laser Science (CoReLS) of IBS has studied femtosecond PW laser technologies, relativistic laser-material interaction, physical symptoms transcending in time and space
- ·In 2016, CoReLS developed a 4PW laser system for the first time in the world, resulting in remarkable progress in research, including high-energy particle acceleration of electrons and photons, and attosecond atom and molecule kinetics

GIST College

Liberal Arts College

Curriculum

Freshman: Division of Liberal Arts and Sciences (no major selected) > sophomore-senior (major courses



Key Features



- Self-directed experiences and challenges, learning centered on discussion and presentations
- Al·SW education in preparation for the 4th Industrial Revolution
- · Opportunity to minor in extensive areas including humanities and social sciences, enhanced art education
- · In-depth education of basic science, including mathematics and physics
- · Research opportunities in conjunction with graduate school programs (G-SURF, Caltech SURF)
- Student-driven creative activity program (Infinite Challenge Project)
- · Campus-based mentoring program for learning and career
- · All lectures including basic science subjects and major courses are provided in English
- Support students to complete their studies at world renowned universities in S&T

(Caltech \cdot UC Berkeley \cdot Boston University (US), University of Cambridge (UK), Technion - Israel Institute of Technology, etc.)

Scholarships and student welfare programs



- Support for tuition and school fees
- Provides for educational expenses and school lunch subsidies
- Various scholarship programs including dean's scholarship and national scholarship

https://www.gist.ac.kr/uadm/



·'Dorm-based' community on campus

Graduate Schools

GIST Leads the 4th Industrial Revolution of Science and Technology in Korea

Schools and Departments



Schools of Electrical Engineering and Computer Science



School of Materials Science and Engineering



School of Mechanical Engineering



School of Earth Sciences and Environmental Engineering



School of Life Sciences



School of Physics and Chemistry



Institute of Integrated Technology



Artificial Intelligence Graduate School

Key Features

Small group learning

Ratio of students to professors

Provide short/long-term overseas research programs



Certification of thesis for graduation

Includes a foreign researcher as a member of PhD thesis review board

10% of PhD graduates are hired

as tenure track faculty in

major universities

both in Korea

and overseas



Dual Degree Program

An average of **5.39**SCI journal papers per PhD graduate for the first half of 2020

Scholarships and student welfare programs



- ·Admission and other educational expenses are fully covered by the government with scholarships
- Payment of KRW 680,000 admission fee



- Dean's scholarship
- For outstanding new students taking PhD (combined) programs, admission fees are exempted and GPF scholarships (KRW 1,5M per semester) are provided for 3 years



- · Accommodations available to all enrolled students
- Domitory (for 1-4 persons) or apartments (for married students)















Cultural Events



- Providing popular high—quality cultural performances in various genres (talk concerts, classical performances, plays, etc.)
- Expanding relations with local communities through cultural content
- Performances are open to the GIST community and local residents

Science School



- Learn about interesting science stories at GIST and the Gwangju National Science Museum
- •Held on the third Wednesday of every month at 7:00 pm at GIST Oryong Hall & at the Gwangju National Science Museum Sangsang Hall
- Science School Homepage (http://scienceschool.gist.ac.kr)

Social Contribution



- Promoting values of social responsibility and involvement through activities of the GIST Social Contribution Team
- Community service (Learning Zone, GSOP, SCIENCE CAMP, book donations, etc.)
- Overseas humanitarian activities (Hope Water Purifier, ICT volunteer groups, etc.)

Start-up Support



- Discovers and nurtures startups in the artificial intelligence field
- Operates the Academy of Entrepreneurship Education and Leadership for those in Gwangju and South Jeolla Province
- Revitalizes the local economy by creating new jobs through start-ups

Your support is an important part of GIST's continued growth.

Give a gift that will support a dream.

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