

# 2019 Summer DGIST Research Internship for Undergraduates

DGIST Research Internship for Undergraduates aims to provide talented Korean and international students with opportunities to experience research environment of DGIST. Participants will serve their internship at the lab of their choice under the guidance of DGIST faculty members as visiting research students.

## Program Overview

### Date

Early July to Mid August, 2019 (6 weeks)

\* Exact internship period will be announced in March 2019.

### Research Area

Various research topics of 6 departments in DGIST Graduate School

- **E**merging **M**aterials **S**cience <http://ems.dgist.ac.kr/>
- **I**nformation and **C**ommunication **E**ngineering <https://ice.dgist.ac.kr/en/>
- **R**obotics **E**ngineering <http://robot.dgist.ac.kr/en/>
- **E**nergy **S**cience and **E**ngineering <http://energy.dgist.ac.kr/eng/>
- **B**rain and **C**ognitive **S**ciences <https://brain.dgist.ac.kr/eng>
- **N**ew **B**iology <http://newbiology.dgist.ac.kr/>

\* List of available labs and research topics of the lab will be announced in March 2019 at <https://en.dgist.ac.kr>.

## Eligibility

- Undergraduate students who are currently enrolled in undergraduate degree program and have completed at least 4 semesters at the time of participation
- Students with a cumulative GPA of 3.5/4.3 or higher
- Students with high levels of English language proficiency

## Application

### Application Period

March 25 to April 19, 2019 (KST)

### Application Documents

- Application form for DGIST Research Internship, including personal statement and research proposal
- A digital copy of academic transcript in English
- A letter of recommendation (to be directly sent by academic advisor or faculty member)

### How to Apply

1. Send all application documents to [irt@dgist.ac.kr](mailto:irt@dgist.ac.kr).
2. Ask academic advisor or faculty member from home institution who knows well about student's research interest and academic ability to send the letter of recommendation by e-mail to [irt@dgist.ac.kr](mailto:irt@dgist.ac.kr).

## Benefit

### Financial Support

All participants will be provided with allowance for their accommodation, meals and miscellaneous expenses. The amount of allowance is approximately KRW 800,000.

### Accommodation

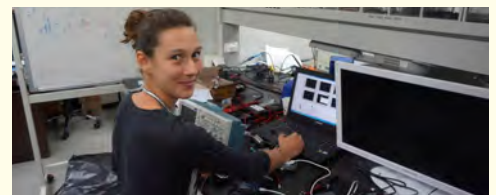
DGIST Student Dormitory (Biseul Village) will be arranged for program participants. Please note that students are responsible for dormitory fee (Approximately USD 7 a day).

### Korean Culture Experience Activities

International students will have chances to experience Korean culture and society first hand every two weeks.

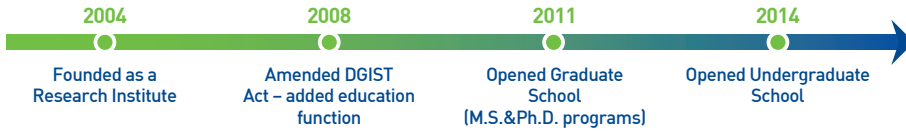
### Life support

Global Lounge and Buddies provide campus-life related guidance and assistance for international members.



DGIST is an Institute of Science and Technology established by the Korean government to benefit society through development and advancement of science and engineering.

DGIST, started as a research institute in 2004, redefined its roles and responsibilities as a research-oriented university by opening graduate program in 2011 and undergraduate program in 2014, thereby expanding the organization where a university and research institute co-exists.



## SCHOOLS & RESEARCH INSTITUTES

### College of Transdisciplinary Studies

Single School without Department  
School of Undergraduate Studies

### Graduate School

#### Graduate School

##### Emerging Materials Science

Quantum materials, Nano / Bio materials, Computational materials

##### Information & Communication Engineering

Cyber Physical Systems, Bio-medical Systems, Smart Connected Systems

##### Robotics Engineering

Surgical Robot, Rehabilitation/Life Support Robots, Bio Micro-Nano Robot / BR, Robot Design & Service Robot

##### Energy Science & Engineering

Renewable Energy, Energy conversion and storage, Materials design

##### Brain & Cognitive Sciences

Neuro-metabolism, Sensory Systems, Neuro-degeneration, Theoretical Biophysics

##### New Biology

Aging Biology, Nano-bio Imaging, Systems and Complex Biology, Bio-sustainability, Biochemistry and Biophysics

\* All classes in the graduate school are delivered in English.  
\* Semester : (Spring) End of Feb - Mid June  
(Fall) Sep - End of Dec

### Convergence Research Institute

#### 12 Research Centers and 4 Research Groups

Research Center for Solar Energy

Research Center for Wellness

DGIST-LBNL Research Center for Emerging Materials

Research Center for Resilient Cyber Physical Systems

Research Center for Microlaser Technology

Research Center for Future Automotive Technology

DGIST-ETH Microrobotics Research Center

Core Protein Resources Center

Well Aging Research Center

Research Center for Collaborative Robots

Global Center for Bio-Convergence Spin System

Brain Engineering Convergence Research Center

Companion Diagnostics and Medical Tech Research Group

Smart Textile Convergence Research Group

Magnet-Controlled Materials Research Group

Intelligent Devices and Systems Research Group

### Affiliated Research Centers

Center for Plant Aging Research, Institute for Basic Science

Korea Brain Research Institute

## SCHOLARSHIP



**FULL TUITION SCHOLARSHIPS**  
for all admitted students

With annual stipend for graduate students

## DORMITORY

Student Dormitories with

**1,929** Capacity



## MISSION



Benefit society through the development and advancement of science and engineering



Conduct cutting-edge research to suggest solutions for grand challenges facing mankind



Educate talent to make the world a better place with knowledge and the power of science

## EDUCATIONAL PHILOSOPHY



## MEMBERS



Student <b>1,431</b>	Bachelor's	848
	Master's	211
	Doctoral	152
	Integrated MS-PhD	186
	Combined UG-G	34
Faculty & Staff <b>632</b>	Researcher	242
	Faculty	203
	Administrative Staff	187
Alumni <b>415</b>	Bachelor's	96
	Master's	279
	Doctoral	40

**7.0:1** Student to Faculty ratio

**8.2%** Ratio of Int'l students in Graduate School

As of August 2018