


# 카이스트 (한국과학기술원)


■ 주소: [34141] 대전광역시 유성구 대학로 291

■ 웹사이트: [www.kaist.ac.kr](http://www.kaist.ac.kr) (입학처: <https://admission.kaist.ac.kr/intl-graduate>)

## I. 연구개발(R&D) 과정

- KAIST는 과학기술에 기반한 국가경제발전을 목표로 1971년에 대한민국 최초의 연구중심 이공계 특수대학원으로 설립되었음
- 최고 수준의 인재, 우수한 교육·연구 인프라, 폭넓고 다양한 연구를 통해 설립 이후 50년 만에 세계적인 수준의 대학으로 인정받고 있으며, 대한민국은 최빈국 수준의 경제에서 벗어나 세계 10위권의 경제규모를 자랑하게 되었음
- KAIST는 세계적인 수준의 과학기술 연구 인프라를 제공하며, 폭넓은 기초·응용·융합 연구를 통해 최고 수준의 과학자를 양성하고 있음

•  QS World University Rankings (2019-2024) : #40 - #41 - #39 - #41 - #42 - #56

•  QS Top 50 under 50 (2017-2021) : #3 - #3 - #3 - #3 - #3

•  REUTERS The World's Most Innovative Universities (2016-2018) : #6 - #6 - #11

•  REUTERS Asia Pacific Most Innovative Universities (2016-2018) : #1 - #1 - #1

- [Learn more at the official website of KAIST Office of Admission](#)

## II. R&D 과정 모집 학과

### 1. 물리학과 (모집 학위 : 석사 또는 박사)

- KAIST 물리학과는 핵심 신성장동력 분야 전반에 관한 심도 있고 폭넓은 교육을 통해 학생들이 차세대 소자 및 통신 등 응용 기술에 관한 전문지식을 익히고 그것을 창의적으로 활용할 수 있는 능력을 배양하는 것을 목표로 함
- KAIST 물리학과는 물리학적 모델링을 통해 다양한 현상에 대한 깊이 있는 이해 뿐만 아니라 공학과 생명과학과의 융합을 통해 최고 수준의 기술 개발 및 토대를 제공함
- **주요 연구분야:** 응집물질 물리, 광학, 복잡계 및 생물물리
- **Official Website:** <http://physics.kaist.ac.kr>

### 2. 수리과학과 (모집 학위: 석사 또는 박사)

- KAIST 수리과학과는 고도화된 현대과학과 문명의 발전에 따라 전통적인 수학뿐만 아니라 현대과학기술에서 제기되는 수리적 원리와 문제들의 연구와 교육을 시행하며 혁신을 이어가고 있음

- KAIST 수리과학과는 최고의 연구진을 통한 체계적이고 효율적인 수학 교육을 통하여 미래 수리과학계를 이끌어 갈 리더 수학자와 수리과학 분야 연구 및 산업발전에 공헌하는 인재를 양성하는 것을 목표로 하고 있음
- **주요 연구분야:** 기하학, 대수학, 위상수학, 해석학, 확률론, 통계학과, Computation, Inverse Problems, Mathematical Finance, Mathematical Physics, Mathematical Biology, AI, Big data
- **Official Website:** <http://mathsci.kaist.ac.kr>

### 3. 화학과 (모집 학위 : 석사 또는 박사)

- KAIST 화학과는 세계적인 수준의 연구 성과를 창출, 해당 분야를 선도하고 있으며, 우수한 연구자 양성을 위한 인적·물적 인프라를 갖추고 있음
- KAIST 화학과는 첨단화학소재 분야의 진보를 위한 다각적인 연구를 수행하고 있으며, 첨단반응 고안, 과정 및 분석법 연구 등 폭넓은 연구기회를 제공하고 있음
- **주요 연구분야:** 무기/분석/고분자화학, 물리화학, 바이오/나노화학, 유기화학
- **Official Website:** <http://chem.kaist.ac.kr>

### 4. 항공우주공학과 (모집 학위 : 석사 또는 박사)

- KAIST 항공우주공학과는 시스템과 디자인에 주안점을 둔 혁신적인 교육으로 글로벌 역량, 책임감과 리더십을 갖춘 창의적인 항공우주 분야 미래 인재를 양성하고 있으며, 최근 5년간 연평균 120억 내외 연구계약을 수주하며 산업과 실질적으로 연계된 혁신적인 연구를 수행하고 있음
- KAIST 항공우주공학과는 무인이동체, 우주탐사, 항공우주분야 인공지능, 첨단국방 기술을 선도하는 연구성과를 지속적으로 창출하고 있음
- **주요 연구분야:** 비행체 기술, 항공우주 정보/지능, 추진 및 에너지, 우주 시스템, 공기역학 및 구조역학
- **Official Website:** <http://ae.kaist.ac.kr>

### 5. 미래자동차학제전공 (모집 학위 : 석사 또는 박사)

- KAIST 미래자동차학제전공은 전기전자, 기계, 전산, 녹색교통, 신소재 등 KAIST 내 다양한 전공과 긴밀한 협조를 통해, 조직적이고 체계적으로 융합교육을 통해 미래자동차 R&D 인력을 양성하고 있음
- 미래형 자동차를 위한 핵심 기술을 개발하고, 학제 간 융합프로젝트에 기반을 둔 창의적 설계교육으로 종합적 사고능력과 창조성을 길러주는 차별화된 교육을 제공
- **주요 연구분야:** 차량 동역학 및 제어, 자율주행, 비전 및 인식, AI for Vehicle,

차량 회로 및 칩 설계

- Official Website: <https://fv.kaist.ac.kr>

#### 6. 전산학부 (모집 학위 : 석사 또는 박사)

- KAIST 전산학부는 인간 중심의 컴퓨팅을 비전으로 하여, 인류의 행복과 번영을 위한 컴퓨팅 기술의 교육 및 기술 혁신을 선도해왔으며, 현재 AI 기술의 기반을 마련함
- AI 교육 및 연구 경험을 다양한 분야와 융합하여, 새로운 가치를 창출하고 Post-AI 시대를 선도하는 글로벌 인재양성 및 인간 중심 연구를 목표로 함
- **주요 연구분야:** 전산이론, 시큐어 컴퓨팅, 시스템 및 네트워크, 비주얼컴퓨팅, 인공지능 및 정보 서비스
- Official Website: <http://cs.kaist.ac.kr>

#### 7. 건설및환경공학과 (모집 학위 : 석사 또는 박사)

- KAIST 건설및환경공학과는 지속가능 환경, 스마트 도시 시스템, 레질리언트 인프라, 에너지 인프라 시스템 등 분야를 중심으로 탄력적이고 지속가능한 미래를 위한 창의적 융합 교육과 도전적 융합 연구를 수행하고 있음
- ICT, BT, NT, 디자인, 설계 등 다양한 분야와 융합, 다학제화를 통한 최고 수준의 연구, 국제화를 통한 글로벌 전문연구인력 양성 등을 핵심 가치로 추진하고 있음
- **주요 연구분야:** 지속가능 환경, 스마트 도시 시스템, 레질리언트 인프라, 에너지 인프라 시스템
- Official Website: <https://cee.kaist.ac.kr>

#### 8. 바이오및뇌공학과 (모집 학위 : 석사 또는 박사)

- KAIST 바이오 및 뇌공학과는 보다 나은 인간의 건강한 삶을 실현하기 위해 혁신적인 바이오융합 지식과 기술의 창조를 목표로 생명과학, 의과학, 정보, 전자공학, 나노공학이 다학제적으로 융합된 바이오공학 분야를 국제적으로 선도할 창의적인 글로벌 리더를 양성하는 비전을 갖고 있음
- 현재 헬스케어 벤처 창업과 임상중계 연구를 가속화 하고 있음. 또한, 바이오헬스 분야에 대한 최고 수준의 교수진 및 연구 인력, 인프라를 활용해, 향후 10년 내 바이오헬스 산업 현장에서 실용화가 가능하고 산업적 유용성이 큰 기술을 개발할 수 있을 것으로 기대함
- **주요 연구분야:** 바이오정보학/시스템 생물학, 바이오전자, 바이로나노/마이크로 시스템, 뇌/신경공학, 바이오이미징
- Official Website: <http://bioeng.kaist.ac.kr>

#### 9. 산업 및 시스템공학과 (모집 학위 : 석사 또는 박사)

- KAIST 산업 및 시스템공학과는 BK21사업의 스마트공장 분야에 선정되어 '대한민국 제2의 제조 도약을 위한 디지털 제조혁신 인재양성'을 목표로 교육 및 연구를 수행하고 있음
- 학생들이 제조기술과 디지털기술을 배우고 실제 적용해 볼 수 있는 디지털제조 실습실과 레고 기반 제조 실습실이 구축되어 있으며, 산업현장 문제 중심 연구를 통해 학문적으로 기여할 수 있도록 교과과정이 편성되어 있음
- **주요 연구분야:** 데이터 기반의 의사결정, 산업인공지능 및 제조 빅데이터, 디지털 제조 원천기술
- **Official Website:** <https://ise.kaist.ac.kr>

#### 10. 생명화학공학과 (모집 학위 : 석사 또는 박사)

- KAIST 생명화학공학과는 빅데이터 인공지능에 대한 기본 지식과 적용능력을 갖춘 4차 산업 융합형 인재를 양성하는 것을 목표로 함
- 에너지/시스템, 촉매, 생명공학, 나노소재, 고분자 등의 중점 기술을 연구하며, 산학협력 구축 및 기술 이전, 연구의 실용화 등을 통해 연구의 질적 우수성과 영향력을 향상하고 있음
- **주요 연구분야:** 생명공학, 나노소재, 촉매, 에너지/환경/시스템
- **Official Website:** <http://cbe.kaist.ac.kr>

#### 11. 원자력 및 양자공학과 (모집 학위 : 석사 또는 박사)

- KAIST 원자력및양자공학과는 미래 원자력 및 방사선 가치 창출을 위한 선도 기술 개발과 글로벌 리더 양성의 비전을 가지고 교육과 연구에 집중하고 있음
- 원자력공학 분야는 현재 대체에너지로써 가장 현실성 있는 원자력 에너지의 다목적 이용을 위하여 안전성 및 경제성이 높은 개량형 경수로와 신형원자로 개발, 우라늄 이용 극대화로 에너지의 해외 의존도를 최소화할 수 있는 고속증식로 개발, 에너지 문제의 궁극적인 해결을 위한 핵융합 원자로 개발 양자공학분야는 양성자, 중성자, 전자, 광자, 원자 및 분자 집합체 등의 발생, 제어 및 측정 장치 등을 개발하고 이용함으로써 21세기 첨단공학 및 과학기술발전에 이바지하는 것을 교육과 연구의 목적으로 함
- **주요 연구분야:** 지속가능원자력에너지기술, 혁신방사선과학기술, 미래지향적플라즈마
- **Official Website:** <https://nuclear.kaist.ac.kr>

#### 12. 조천식모빌리티대학원 (모집 학위 : 석사 또는 박사)

- 조천식모빌리티대학원에서는 기계공학, 전기전자공학, 교통공학, 전산, 산업공학

등 KAIST 내 다양한 전공과 긴밀한 협조를 통해, 조직적이고 체계적으로 융합 교육을 통한 모빌리티 시스템 전문 R&D 인력을 양성하고 있음

- 교통 부문의 문제를 해결하기 위해 전동화 기반의 친환경 모빌리티 시스템을 개발하고, 이와 연계한 에너지그리드 기술을 제공하고자 함. 자율주행/수요응답/공유/대중교통 기반의 새로운 모빌리티 수단 및 서비스를 개발하여 환경 변화에 능동적으로 대처하는 능력을 익혀서 자율주행/로봇 기반의 기술 확산과 시장 선점을 이끄는 기술을 개발하고자 함
- **주요 연구분야:** 친환경모빌리티기술, 지능형모빌리티기술,지속가능모빌리티기술
- **Official Website:** <https://mo.kaist.ac.kr>

### 13. 문화기술대학원 (모집 학위 : 석사 또는 박사)

- KAIST 문화기술대학원은 문화적 사고와 문화기술을 기반으로 융합교육과 연구를 통해 문화산업분야 글로벌 가치 창출을 선도하는 것을 목표로 함
- 공학 분야 (전산, 전자, 기계 등), 인문 사회 분야 (사회, 심리, 커뮤니케이션 등), 예술 분야 (음악, 미디어 아트 등)의 전공 교수진이 공동 연구를 수행하는 독보적인 학풍을 정립하고 있음
- **주요 연구분야:** 디지털트윈 구축, 가상 객체 증강, 가상증강현실에서의 인간-컴퓨터 상호작용, 시각인지, 컴퓨터 그래픽스, 애니메이션, 다면 디스플레이, 공간 디스플레이, 음악기술, 컴퓨터게임, 데이터 기반 사회현상 분석, 문화데이터 분석, 문화유산 데이터 구축, 컴퓨터 비전, 컴퓨터 기반 디자인
- **Official Website:** <http://ct.kaist.ac.kr>

## III. R&D 과정 지원

### 1. 일정

- 대학 전형 1차 심사
  - 접수 및 심사 기간(예정): **2025년 2월 ~ 3월**
    - ※ 국립국제교육원 모집요강 발표 후 “대학 웹사이트”에 확정 일정 공지 예정  
(URL: <https://admission.kaist.ac.kr/intl-graduate/Admission/Notice>)
- 공관 전형 3차 심사
  - 심사 기간(예정): **2025년 5월**
    - ※ 국립국제교육원 모집요강 발표 후 “대학 웹사이트”에 확정 일정 공지 예정  
(URL: <https://admission.kaist.ac.kr/intl-graduate/Admission/Notice>)

### 2. 대학별(또는 학과별) 추가 제출 서류

- 공통 제출 서류: **국립국제교육원 제출 서류**

- 모든 지원서류는 국립국제교육원에서 시행하는 「정부초청외국인 대학원 장학생 모집요강」에 요건에 따라야 함

#### ○ 추가 제출 서류 목록

- **공인영어시험 성적표 1부** (원본 또는 성적이 조회될 수 있는 사본)
- KAIST는 캠퍼스 내 공용어로 영어를 사용하고 있으며, 수업 또한 영어로 진행됨 따라서, 아래 가이드라인 이상의 공인 영어시험(정기) 성적을 제출하거나 영어 면제요건을 충족해야 함
  - 서류접수 **마감일 기준 2년 이내** 성적에 한해 인정 (**정확한 날짜 추후 안내 예정**)
    - 대학전형: 2025년 3월 말까지 유효, 공관전형: 2025년 5월 중순까지 유효해야 함
  - KAIST의 TOEFL iBT 기관 코드: 0195
  - KAIST 대학원 입학 영어요건은 아래 참조

TOEFL iBT	TOEIC (Listening&Reading)	TEPS	IELTS
83	720	326	6.5

#### English Language Proficiency

- Our official language of communication and instructions for international students at KAIST is English. All the applicants must provide at least one of the following English proficiency test (EPT) scores:

Test	Min.Score	Submission	Remark
TOEFL iBT	83	Report through the ETS website and send us a legible copy of the score report	Code: 0195 (iBT MyBest Scores are NOT accepted)
IELTS	6.5 band	A legible copy of the score report	Academic Type
TOEIC	720	The original score report	Listening & Reading
TEPS	326	A legible copy of the score report	

\* Test scores from Institutional Testing Program (ITP) are NOT accepted

\* Programs that do not require an EPT score: GDI-HTTP track, KINS-KAIST, RCA-KAIST

- You are able to request a waiver of the requirement to prove an EPT score if you meet one of the following conditions:

- You do not need to provide an EPT score if you hold citizenship of the following countries **OR** have completed an academic qualification equivalent to the Bachelor's degree or higher from an institution **physically** located in the following countries::

Antigua and Barbuda, Australia, the Bahamas, Barbados, Belize, Canada, Dominica, Grenada, Guyana, Ireland, Jamaica, Malta, New Zealand, St Kitts, St Lucia, St Vincent, Trinidad and Tobago, U.K., U.S.A.

- You do not need to provide an EPT score if you hold citizenship of the following countries **AND** have obtained a qualification equivalent to a Bachelor's degree or higher in English as the medium of instruction from an institution **physically** located in the following countries:

\* A certificate from the undergraduate or graduate school attended indicating English as the medium of instruction must **ADDITIONALLY** be provided. e.g., English Lecture Certificate

Botswana, Cameroon, Eswatini, Ethiopia, Fiji, Gambia, Ghana, India, Jamaica, Kenya, Kiribati, Lesotho, Liberia, Malawi, Marshall Islands, Mauritius, Federated States of Micronesia, Namibia, Nauru, Nigeria, Pakistan, Palau, Papua New Guinea, Philippines, Rwanda, Samoa, Seychelles, Sierra Leone, Singapore, Solomon Islands, Republic of South Africa, Sudan, Republic of South Sudan, Tanzania, Tonga, Tuvalu, Uganda, Vanuatu, Zambia, Zimbabwe

- Those who expect to graduate from regular KAIST degree programs in the semester before the start of the intended course

\* If you are admitted to programs like GDI-HTTP track, KINS-KAIST, RCA-KAIST, or Impact MBA (KOICA-KAIST) that do not require an EPT score, but you're applying to a program with an English language requirement, you must provide an EPT score based on that program's specific requirements.

○ 제출 방법

- 대학 전형: **우편으로 접수**

○ 서류 제출 시 유의 사항

- 대학별(또는 학과별) 추가 제출 서류는 “대학으로 직접 제출”
- 영어(또는 한국어)로 작성된 서류: 영사확인(또는 아포스티유)
- 영어가 아닌 현지어로 작성된 서류: 관련서류(현지어서류+번역공증본) 모두에 영사확인(또는 아포스티유)

3. 문의 및 서류발송처

○ 대학 담당자 연락처(문의):

- 이메일: [advanced.adm@kaist.ac.kr](mailto:advanced.adm@kaist.ac.kr)
- 전화 (사무실): +82-42-350-2357, 2352

○ 지원서류 제출 우편주소

**(우편번호: 34141)**

대한민국 대전광역시 유성구 대학로 291, E16-1(양분순빌딩)  
110호 대학원입학팀  
외국인 입시 담당자

## **KAIST** (Korea Advanced Institute of Science and Technology)


■ Address: Daehakro 291, Yuseong-gu, Daejeon, 34141, Republic of Korea

■ Website: [www.kaist.ac.kr](http://www.kaist.ac.kr) (Office of Admissions: <https://admission.kaist.ac.kr/intl-graduate>)

### I . Overview of the R&D Program

- Under the national initiative to build a country with the strong science and technology foundation, KAIST was established in 1971 as the first research-oriented university of science and technology.
- Combining talents, advanced education and research infrastructure, and extensive research experiences, KAIST has been known as a world-class university in 50 years and South Korea has become 10<sup>th</sup> largest economic powerhouse in the world.
- KAIST is educating world-class scientists and engineers by extensive basic, applied, and fusion research on the advanced science and technology research infrastructure on campus.

•  QS World University Rankings (2019-2024) : #40 - #41 - #39 - #41 - #42 - #56

•  QS Top 50 under 50 (2017-2021) : #3 - #3 - #3 - #3 - #3

•  REUTERS The World's Most Innovative Universities (2016-2018) : #6 - #6 - #11

•  REUTERS Asia Pacific Most Innovative Universities (2016-2018) : #1 - #1 - #1

- [Learn more at the official website of KAIST Office of Admission](#)

### II . Fields of Study

#### 1. Physics (Offered degree: Master or Ph.D.)

- The goal of the Department of Physics at KAIST is to instill into her students deep physical insight and the ability to use such insights in creative way through a thorough and wide-ranging education in both theoretical and experimental subjects.
- The physics of today studies previously impossible concepts by examining the natural phenomena in the microscopic world, such as single electrons and single photons, and those under extreme conditions such as temperatures approaching absolute zero. Physics is also expanding its reach by applying established physical theories to complicated social phenomena such as networks of interpersonal relationships.
- An education in physics is not only for those who plan on becoming



physicists: rather, the skills of systematic and analytic thinking developed by studying physics cultivate the ability for students to adapt confidently to other fields and increase the chances of success in those fields. In this regard, it is worth noting that the development of the Internet, the foundation of the information society, was made in a physics laboratory.

- **Research Areas:** Condensed Matter Physics (Materials / Mesoscopics & Spintronics), Optics, Photonics & Atom Physics, Particle Physics & Cosmology, Physics of Complex Systems & Biophysics
- **Official Website:** <http://physics.kaist.ac.kr>

## 2. Mathematical Sciences (Offered degree: Master or Ph.D.)

- The Department of Mathematical Sciences at KAIST with its distinguished faculty, provides a critical academic foundation for advanced and emerging industries. The department excels in traditional fields of mathematics, including Geometry, Algebra, Topology, Analysis, Probability Theory, and Statistics, as well as in applied areas such as Computation, Inverse Problems, Mathematical Finance, Mathematical Physics, Mathematical Biology, Artificial Intelligence, and Data Science.
- The Department of Mathematical Sciences at KAIST is dedicated to developing future leaders in mathematical sciences through systematic and effective mathematics education, supported by a world-class research team. The department focuses on nurturing individuals who will contribute to the progress of research and the advancement of industry in the field of mathematical sciences.
- **Research Areas:** Applied and Computational Mathematics, Algebra and Algebraic Geometry, Analysis and PDEs, Discrete Mathematics, Financial Mathematics, Financial Mathematics, Mathematical Biology and Biomedical Mathematics, Mathematics for AI and Big Data, Number Theory, Probability, Statistic
- **Official Website:** <http://mathsci.kaist.ac.kr>

## 3. Chemistry (Offered degree: Master or Ph.D.)

- Chemistry is a central science in the sense that chemical transformations are based on physical principles and responsible for biological processes in life as well as many material processes. The department of Chemistry at KAIST is committed to providing distinguished and interdisciplinary programs in

both education and research.

- Our department's education system aims to cultivate the intellectual development of talented individuals to lead the nation's scientific research and development. Our alumni are playing a pivotal role in academia, national, industrial institutes and chemistry-related business in Korea and around the world.
- **Research Areas:** Polymer Chemistry, Inorganic Chemistry, Physical Chemistry, Bio/Nano Chemistry, Analytical Chemistry, Bio Chemistry, Organic Chemistry
- **Official Website:** <http://chem.kaist.ac.kr>

#### 4. Aerospace Engineering (Offered degree: Master or Ph.D.)

- Since its establishment in 1979, the Department of Aerospace Engineering at KAIST has been leading flight technology and space exploration research including aircraft, UAVs, drones, satellites, space launch vehicles, air traffic management, and satellite navigation systems. We are providing the well-designed utmost quality education curricula for B.S., M.S., and Ph.D. levels with the motto of **SYSTEM-ORIENTED EDUCATION** in a way that KAIST AE graduates can lead the national large-scale aerospace system projects.
- On top of regular curriculum, we also offer Space Exploration Engineering Program cooperating with KAIST Satellite Technology Research Center to cultivate excellent space professionals with sufficient field experiences.
- **Research Areas:** Airborne Vehicle Technology, Aerospace Information and Intelligence, Propulsion and Energy, Space Systems, Aerodynamics and Structural Mechanics
- **Official Website:** <http://ae.kaist.ac.kr>

#### 5. Future Vehicle (Offered degree: Master or Ph.D.)

- Future Vehicle program is educating researchers of future vehicle by converging multiple disciplines such as electrical engineering, mechanical engineering, computing, green transportation, and material engineering in KAIST.
- Future Vehicle program provides distinguished curriculum to nurture comprehensive thinking and creativity based on creative design education, and extensive opportunities to develop critical technology for future vehicles.
- **Research Areas:** Vehicle Dynamics and Control, Autonomous Driving, Vision and Perception, AI for Vehicle, Circuit and Chip Design for Vehicle

- **Official Website:** <https://fv.kaist.ac.kr>

## **6. School of Computing (Offered degree: Master or Ph.D.)**

- The School of Computing was established when KAIST was founded in 1972 and has since led computer science research and education in Korea with an emphasis on strong theoretical foundations as well as close ties with the industry. Our graduates have not only made great contributions to the academia and industry of Korea but also served various leadership roles in the international stage.
- With the paradigm shift in computing, we have redefined our focus areas to human-centric computing. The School of Computing strives to provide human-centric computing research and education based on solid theoretical foundations, thereby pursuing the unbounded opportunities in computing and information service for humanity.
- **Research Areas:** Computing Theory, Systems-Newtnetworks, Software Design, Secure Computing, Visual Computing, AI-Information Service, Social Computing, Interactive Computing
- **Official Website:** <http://cs.kaist.ac.kr>

## **7. Civil and Environmental Engineering (Offered degree: Master or Ph.D.)**

- KAIST CEE aims to lead the development of flexible and sustainable future technologies through creative convergent education and challenging convergent research in a) Sustainable Environment b) Smart Urban Systems c) Resilient Infrastructure 4) Energy Infra-system and other related fields.
- For past five years, professors have been invited from fields outside the boundaries of the traditional civil and environmental engineering (IT/BT/Transportation) and collaborative research projects with other departments (Nuclear/Chemical & Biomolecular/Materials) are encouraged to promote convergence. International academic exchange programs as well as international research collaboration have also been encouraged for "Internationalization".
- **Research Areas:** Sustainable Environment, Smart Urban Systems, Resilient Infrastructure, Energy Infra-system
- **Official Website:** <http://civil.kaist.ac.kr>

## **8. Bio and Brain Engineering (Offered degree: Master or Ph.D.)**

- The mission of Bio and Brain Engineering at KAIST is to foster human resources that will create new knowledge and technology in the fields of Bioengineering and Brain Engineering. Through this ambitious endeavor, we seek to develop technology that will raise quality of life and open a new future for the people of Korea and the world.
- Driven by the spirit of challenge and creativity that led KAIST, our department operates research and training programs for innovative original technology development in Bioinformatics and System Biology, Bioimaging, BioNano and Brain Engineering research. Translational research and practice strategies have been established in the focus area in biomedical engineering. We serve as a focal point for bio fusion research at KAIST with the goal of raising into the world's top 10 biomedical engineering departments within 10 years.
- **Research Areas:** Bioinformatics/Systems Biology, Bioelectronics, BioNano-/MEMS, Neural Engineering, Biomedical Imaging
- **Official Website:** <http://bioeng.kaist.ac.kr>

#### **9. Industrial and Systems Engineering (Offered degree: Master or Ph.D.)**

- KAIST ISE is committed to creating knowledge and technologies that will shape the future of industrialization for the benefit of humankind. We believe this is a responsibility that an elite member of industrial engineering community. As such, we have established our vision to be Global Elite Department in the Discipline of Industrial Engineering.
- Excellence in research and education by the department has been well recognized; some of the recent examples of such recognition include the top ranked IE department in the nation (JoongAng Daily's Korean University Ranking) and the best graduate program in Smart Factory research (BK21+ by National Research Foundation). With its young, high-caliber faculty members, the department embraces today's challenges and opportunities brought about by the 4th industrial revolution, and commits itself to continued excellence in research and education to shape the future of industrial engineering.
- **Research Areas:** Data-driven Decision Making, Industrial AI and Manufacturing Big Data, Original Technology in Digital Manufacturing
- **Official Website:** <https://ise.kaist.ac.kr>

#### **10. Chemical and Biomolecular Engineering (Offered degree: Master or Ph.D.)**

- KAIST CBE provides a highly interdisciplinary research program, in which talented students and faculty members creatively integrate engineering principles with fundamental knowledges of chemistry, biology, mathematics, and physics, to solve the technological needs of the global economy and human society.
- CBE combines engineering principles with basic knowledges of chemistry, biology, and physics to solve critical challenges for the sustainable growth of human society, including the development of green chemical processes, new energy systems, environmental technologies, biomedicines, and advanced materials. CBE provides highly interdisciplinary research opportunities in collaboration with natural science and fellow engineering disciplines like materials engineering, computer science, mechanical, electrical, and civil engineering
- **Research Areas:** Bio Technology, Nanomaterials, Catalysis, Soft Materials, Energy Environment Systems
- **Official Website:** <http://cbe.kaist.ac.kr>

#### **11. Nuclear and Quantum Engineering(Offered degree: Master or Ph.D.)**

- The Department of Nuclear and Quantum Engineering at KAIST is focused on education and research aimed at developing pioneering technologies for the creation of value in nuclear energy and radiation, while nurturing global leaders in these fields.
- Nuclear science and technology is primarily concerned with the peaceful use of energy generated by nuclear fission and fusion reactions whose scope includes electric power generation, desalination, district heating, hydrogen production, and propulsion of spacecrafts and vessels. The studies of quantum technology are related to the microscopic particles and their quantum phenomena and the scope of the studies includes medical imaging, quantum information and quantum computer, quantum optics, and nanotechnology.
- **Research Areas:** Sustainable Nuclear Energy Technology, Innovative Radiation Science and Technology, Futuristic Plasma
- **Official Website:** <https://nuclear.kaist.ac.kr>

#### **12. Cho Chun Shik Graduate School of Mobility (Offered degree: Master or Ph.D.)**

- Cho Chun Shik Graduate School of Mobility has been founded to enhance

the linkages among various disciplines within basic and applied sciences and technologies-physics, electric/electronic engineering, mechanical engineering, material engineering, aerospace engineering, marine engineering, civil/environmental engineering, and business administration-and produce the world's top transportation specialists who will develop state-of-the-art green transport technologies and take the lead in the future green transport industry.

- Our objective is to develop sustainable mobility systems grounded in electrification, along with complementary energy grid technologies. Through the creation of innovative mobility solutions and services—incorporating autonomous driving, demand-response, shared, and public transportation models—we aim to cultivate the capability to proactively address environmental changes. Ultimately, our goal is to advance technologies that will facilitate the widespread adoption of autonomous driving and robotics, thereby positioning us to lead in market innovation and growth.
- **Research Areas:** Eco-friendly Mobility Technology, Intelligent Mobility Technology, Sustainable Mobility Technology
- **Official Website:** <https://mo.kaist.ac.kr>

### **13. Graduate School of Culture Technology (Offered degree: Master or Ph.D.)**

- Graduate School of Culture Technology at KAIST aim to research proprietary technologies and present solutions aiding future creative society beyond cultural industries through cultivating global convergence talents grafting arts, humanities, and social science based on cutting-edge science technology and cultural thinking.
- GSCT is pioneering and defining unique academic path by combining engineering (electrical engineering, computer science and mechanical engineering), humanities (sociology, psychology, communication) and arts (mucis, media arts) and collaborative research among multiple disciplines.
- **Research Areas:** Entertainment, Cultural Artefacts, Life Augumentation, Immersive Content (visual, sound, haptics, etc.), Interface and Interaction, Spatial Design and Computing, Cultural & Social Science, Digital Humanities, Art and Design
- **Official Website:** <http://ct.kaist.ac.kr>

## **III. Admission**

### **1. Selection Procedure**

- First Round of Selection (University Track)

- Application and screening period(estimated): **February – March, 2025**

※ Once the application guidelines are released on studyinkorea.go.kr by NIIED, the accurate date of an application and screening period will be posted on the university website.

(URL: <https://admission.kaist.ac.kr/intl-graduate/Admission/Notice>)

#### ○ Third Round of Selection (Embassy Track)

- Screening period(estimated): **May, 2025**

※ Once the application guidelines are released on studyinkorea.go.kr by NIIED, the accurate date of the screening period will be posted on the university website.

(URL: <https://admission.kaist.ac.kr/intl-graduate/Admission/Notice>)

## 2. Additional materials required by each university/department

#### ○ List of required documents

- All application materials must meet requirements of the official GKS guidelines implemented by NIIED.

#### ○ KAIST additional material

- **English proficiency test (EPT) scores**

• English is the designated official language for communication with our international students both on campus and in academic settings. Therefore, all the applicants must provide at least one of the following **English proficiency test (EPT) scores** unless they qualify for an exemption from submitting an EPT score report based on specified conditions. (See below for the details.)

- Only valid scores will be accepted. **(Exact dates will be informed later.)**

- University Track: Must remain valid until approximately the end of March 2025.

- Embassy Track: Must remain valid until approximately mid-May 2025.

- KAIST's institutional code of TOEFL (ETS) is 0195

- KAIST's EPT requirement

TOEFL iBT	TOEIC (Listening&Reading)	TEPS	IELTS
83	720	326	6.5



### English Language Proficiency

- Our official language of communication and instructions for international students at KAIST is English. All the applicants must provide at least one of the following English proficiency test (EPT) scores:

Test	Min. Score	Submission	Remark
TOEFL iBT	83	Report through the ETS website and send us a legible copy of the score report	Code: 0195 (iBT MyBest Scores are NOT accepted)
IELTS	6.5 band	A legible copy of the score report	Academic Type
TOEIC	720	The original score report	Listening & Reading
TEPS	326	A legible copy of the score report	

\* Test scores from Institutional Testing Program (ITP) are NOT accepted

\* Programs that do not require an EPT score: GDI-HTTP track, KINS-KAIST, RCA-KAIST

- You are able to request a waiver of the requirement to prove an EPT score if you meet one of the following conditions:

- You do not need to provide an EPT score if you hold citizenship of the following countries **OR** have completed an academic qualification equivalent to the Bachelor's degree or higher from an institution **physically** located in the following countries::

Antigua and Barbuda, Australia, the Bahamas, Barbados, Belize, Canada, Dominica, Grenada, Guyana, Ireland, Jamaica, Malta, New Zealand, St Kitts, St Lucia, St Vincent, Trinidad and Tobago, U.K., U.S.A.

- You do not need to provide an EPT score if you hold citizenship of the following countries **AND** have obtained a qualification equivalent to a Bachelor's degree or higher in English as the medium of instruction from an institution **physically** located in the following countries:

\* A certificate from the undergraduate or graduate school attended indicating English as the medium of instruction must **ADDITIONALLY** be provided. e.g., English Lecture Certificate

Botswana, Cameroon, Eswatini, Ethiopia, Fiji, Gambia, Ghana, India, Jamaica, Kenya, Kiribati, Lesotho, Liberia, Malawi, Marshall Islands, Mauritius, Federated States of Micronesia, Namibia, Nauru, Nigeria, Pakistan, Palau, Papua New Guinea, Philippines, Rwanda, Samoa, Seychelles, Sierra Leone, Singapore, Solomon Islands, Republic of South Africa, Sudan, Republic of South Sudan, Tanzania, Tonga, Tuvalu, Uganda, Vanuatu, Zambia, Zimbabwe

- Those who expect to graduate from regular KAIST degree programs in the semester before the start of the intended course

\* If you are admitted to programs like GDI-HTTP track, KINS-KAIST, RCA-KAIST, or Impact MBA (KOICA-KAIST) that do not require an EPT score, but you're applying to a program with an English language requirement, you must provide an EPT score based on that program's specific requirements.

### ○ Submission Method

- University Track: **Via Postal Mail**

### ○ Important notes regarding application submission

- Applicants must submit any additional documents required by each university/department to the university directly.
- Certificates must bear either **the apostille certificates or the consular attestation** to apply for KAIST through GKS.

### 3. Inquiry and application address

#### ○ Contact Information of the university

- Email: [advanced.adm@kaist.ac.kr](mailto:advanced.adm@kaist.ac.kr)
- Office: +82-42-350-2357, 2352



○ Postal Address

**Graduate Admissions Team**

#110, E16-1(YANG Boon Soon B/D), KAIST  
291 Daehakro, Yuseong-gu, Daejeon, Republic of KOREA  
Zip Code: 34141