

한국기술교육대학교

☞ 주 소: 충남 천안시 동남구 병천면 충절로 1600

☞ 사이트: www.koreatech.ac.kr

I. 대학 소개

한국기술교육대(KOREATECH)는 1991년 정부(고용노동부)가 전액 출연하여 설립한 실천공학교육과 평생능력 개발분야의 특성화 대학입니다. 코리아텍은 이론과 실험학습을 50:50으로 균형있게 배분하고 있으며, 학생들의 학업능력 향상을 위해 첨단실습장비가 구비된 80여개의 실험실을 24시간 개방해 학생들이 언제든지 학업에 몰두할 수 있는 환경을 조성하고 있습니다.

II. 모집 요강

1. 모집 학과

계열	모집단위	
	학부 및 학과	전공
7학부		
공학	기계공학부	친환경자동차에너지
		시스템설계제조
		지능형시스템
	메카트로닉스공학부	생산시스템
		제어시스템
		디지털시스템
	전기·전자·통신공학부	전기공학
		전자공학
		정보통신공학
	컴퓨터공학부	컴퓨터 하드웨어(H/W)
		컴퓨터 소프트웨어(S/W)
		스마트IT
	디자인·건축공학부	디자인공학과
		건축공학
	에너지신소재화학공학부	에너지신소재공학
		응용화학공학
인문	산업경영학부	인력경영
		기술경영

□ 기계공학부

- 기계공학을 근간으로 하여 컴퓨터, 제어, 전기, 전자 및 정보기술을 접목시켜 우수한 엔지니어를 양성하는 분야로서 기계, 자동차, 항공, 환경, 전기전자, 반도체, 컴퓨터, 정보통신 등 현재 산업현장에서 폭넓게 응용하는 방법을 교육하는 학문
- 졸업 후 진로 : 기계공학부 졸업생들은 기계분야, 자동차분야, 조선·중공업 분야, 플랜트분야, 반도체분야, 전기·전자분야 등 광범위한 산업현장과 공기업, 정부기관 등에서 유능한 엔지니어로 업무를 수행하고 있으며, 기술교육기관 및 전문계 고교에서 교육전문가로 활동하고 있고, 일부는 대학원에 진학

□ 메카트로닉스공학부

- 기계 및 전기·전자기술을 융합하여 지능형 기계전자 시스템을 설계하는 학문
- 졸업 후 진로 : 메카트로닉스공학 분야 졸업생은 개교 이래 지속적으로 삼성전자, LG전자, KT, 현대모비스 뿐만 아니라 현대자동차, 두산인프라코어, 볼보코리아 등 다양한 분야로 진출

□ 전기·전자·통신공학부

- 21세기 첨단 정보화산업의 주역인 전기, 전자, 정보통신을 필두로 인류에게 보다 더 나은 삶의 환경을 제공하는 방법을 교육하는 학문
- 졸업 후 진로
 - *전기공학전공 : 국가기간산업인 발전, 송전, 배전분야는 물론 전기가 응용되는 모든 분야로 진출
 - *전자공학전공 : 전자와 관련된 삼성, 매그나, LG, 등 다양한 대·중·소 기업체의 현장기술자로서 취업 및 연구소나 기업체 연구원, 교육기관 교육전문가로 취업
 - *정보통신공학전공 : 유선 및 무선통신을 기반으로 하는 전기·전자·통신 관련 하드웨어 및 소프트웨어 설계·제조에서부터 응용서비스 분야에 관련된 전문 엔지니어로 사회에 진출하여 각종 정보 단말기기, 정보통신 장비, 정보통신 서비스, 시스템통합(SI), 대학원, 연구소, 공공기관, 교육기관 등 다양한 분야로 취업

□ 컴퓨터공학부

- 컴퓨터는 현대 산업사회의 발전을 주도해왔고, 미래의 지식정보화사회에서도 중추적인 역할을 담당하게 될 것이며, 컴퓨터공학은 이러한 컴퓨터와 관련된 제반분야에 관하여 연구하는 학문
- 졸업 후 진로 : 컴퓨터공학부를 졸업한 후에는 주로 컴퓨터 및 IT 관련 대기업, 중소기업, 공기업 등의 회사에 취업할 수 있으며, 보다 심도 있는 연구를

원하는 경우 대학원에 진학

□ 디자인 · 건축공학부

- 디자인공학 : 통합적 제품개발 환경에서 디자인의 3대 전문기술인 개념개발 기술·조형생성기술· 가치구현기술을 인간을 위한 목적론적으로 수행하고자 관련 지식과 방법을 전문적으로 연구하고 개발하는 학문
- 건축공학 : 친환경 건축학 및 건축공학분야의 기본지식은 물론 건축일반에 대한 기초지식의 바탕위에 건축전반에 걸친 이해와 문제해결 능력에 따른 건축전문지식 과 실무능력을 습득케 함으로써 국가와 미래의 신산업사회가 요구하고 국제적 인증 기준에 부합하는 전문 건축기술자를 교육하는 학문
- 졸업 후 진로
 - *디자인공학전공 : 디자인 공학을 완수한 졸업생들은 대학교수, 대·중소기업 소속 디자이너, 디자인개발회사 창업 등으로 진출
 - *건축공학전공 : 건축구조 및 건축시공분야의 전문 인력을 배양하고 실무중심 전문기술자 및 능력개발 전문 인력으로 양성

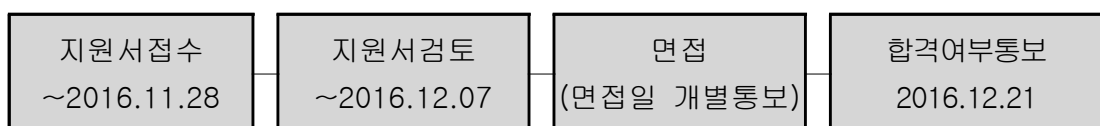
□ 에너지·신소재·화학공학부

- 현대산업에서 요구하는 소재 또는 물질의 기본 성질과 합성에 관해 연구하는 학문
- 졸업 후 진로 : 현재 우리나라의 주력 산업인 자동차, 조선, 철강 뿐만 아니라 생명공학, 에너지 관련 산업까지 에너지·신소재·화학공학부 관련 산업이 확대일로에 있어서 졸업생들에 대한 사회에서의 수요는 나날이 증가하는 추세

□ 산업경영학부

- 전통적인 경영학 분야의 지식을 바탕으로 보다 산업현장에 가까운 지식, 경험 및 방법론을 교육하는 학문
- 졸업 후 진로 : 졸업생들은 일반 경영학도가 취업하는 모든 분야나 조직에 진출할 수 있다. 인사·조직관리, 정보시스템관리, 생산·품질관리, 마케팅·영업관리, 재무관리, 회계관리, 전략기획, 국제경영, 기술관리 등 조직운영과 관련된 모든 업무에 취업

2. 입학 전형



-지원서류 : 사진(3×4cm) 3매

3. 지원자 유의 사항

- 어학성적 : 한국어능력시험(TOPIK) 3급, TOEFL 550점, CBT 210, iBT 80,
IELTS 5.5, TEPS 550점

· 위에 해당되는 어학성적이 없을 경우, 한국어 연수 후 한국어능력시험
(TOPIK) 3급 제출(미제출 시 입학 취소)

4. 연락처

- 한국기술교육대학교 대외협력팀 정부초청장학생 담당자

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KOREATECH

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I . About KOREATECH

KOREATECH was established by the Korea government (Ministry of Labor) in 1992 with a focus on engineering and human resource development. KOREATECH offers a balanced curriculum with theory studies and practical training as a 50:50 ratio. We also have over 80 labs with the latest equipment, and students have access to these labs for their research and study.

II . Academic Program

1. Introduce

college	Undergraduate Program	
	School (Department)	Major
7 Schools		
Engineering	School of Mechanical Engineering	Friendly Environmental Automobile & Energy
		Mechanical System Design and Manufacturing
		Intelligent Systems
	School of Mechatronics Engineering	Production Systems
		Control Systems
		Digital Systems
	School of Electrical, Electronics, Communication Engineering	Electrical Engineering
		Electronics Engineering
		Information and Communication Engineering
	School of Computer Science and Engineering	Computer H/W
		Computer S/W
		Smart IT
	School of Industrial Design & Architectural Engineering	Industrial Design Engineering
		Architectural Engineering
	School of Energy, Materials & Chemical Engineering	Energy·New Materials engineering
		Applied Chemical Engineering

Liberal Arts	School of Industrial Management	Human Resource Management
		Technology Management

▣ Mechanical Engineering

- The School of Mechanical Engineering is focused on developing engineers of the highest caliber through the convergence of computer, control, electrical and electronics as well as IT engineering, based on a basic platform of Mechanical Engineering studies. The programs concentrate on machinery, automobiles, aeronautics, environment, electrical and electronic engineering, semiconductors, computers, and IT all all of which are highly relevant to a wide range of key applications in the industrial fields of today.
- Career after graduation : Our graduates can find careers in various industries such as mechanics, automobiles, shipbuilding, power plants, semi-conductors, electronics and electrics. Some graduates find jobs in vocational training schools and high schools as instructors, while some continue their study in graduate school.

▣ Mechatronics Engineering

- Mechatronics Engineering is an area of technology that deals with the designing of intelligent mechanical systems by applying new technologies developed through electrical/electronic and computer technologies. Mechatronics technologies are currently applied broadly to intelligent robots, automated production systems, micro-machinery, semiconductor/display technology, intelligent facility technology, artificial intelligence automobiles, among a range of others.
- Career after graduation : The graduates of Mechatronics Engineering are continuously employed by companies like Samsung Electronics, LG Electronics, KT, Hyundai Motor, Doosan Infracore, Volvo Korea and other various fields. An increasing number of students are applying for advanced engineering schools in Korea or overseas for further study.

▣ Electrical, Electronics & Communication Engineering

- The School of Electrical, Electronics & Communication Engineering offers one of the most advanced areas of study in the development of engineering experts who are competent to lead the development of the

relevant technologies required of an information-oriented society. A specialized curriculum, practice labs, and highly-qualified faculty lead the students to industrial fields and field-focused training.

– Careers after graduation :

*Electrical Engineering Major : Graduates can work developing the nation's infrastructure, such as power generation, power transmission, power supply and electricity-related industries.

*Electronic Engineering Major : Graduates can work as professional engineers at electronics companies, or as a researcher or instructor at educational institutions.

*Communication Engineering Major : Graduates can work at companies specializing in designing, manufacturing and applying electric, electronic, and communication-related hardware and software, supported by both wire and wireless communication. They also find jobs at colleges, research institutes, public organizations, and educational institutions, as a specialist in various communication devices, IT equipments and services, and system integration.

▣ Computer Science & Engineering

- The Computer Engineering Program has been producing engineering experts with a balanced knowledge of computer hardware and software, with the ability to design and develop various application systems and adapting such technologies to their fields through practical experiments and university-industry collaborative courses.
- Career after graduation : Graduates will be able to work in computer and IT technology-related companies. For more in-depth studies, they are eligible to enter graduate school.

▣ Industrial Design & Architecture Engineering

- The School of Industrial Design Engineering is dedicated to the promotion of expertise and leadership in the optimization process between humans and the environment through design and engineering. The School of Industrial Design and Engineering focuses on R&D of effective methods to implement design concepts and enhance the quality of life for all of humanity in our increasingly digital/digitized world. The Architectural Engineering have been nurturing professional architectural engineers. Faculty members are actively working as professionals in

specialized areas such as building architecture, building materials and constructions, and building environments, among other areas. Educational facilities are provided with experimental laboratories and other various training tools complete with educational programs that focus on practical abilities required in the architectural field.

- Career after graduation : Graduates are currently working as teachers at design/architecture specialty schools, or working with government research centers or agencies, design/architecture department of corporations, design/architecture specialist companies, or have established their own design/architecture development companies.

▣ Energy, Materials & Chemical Engineering

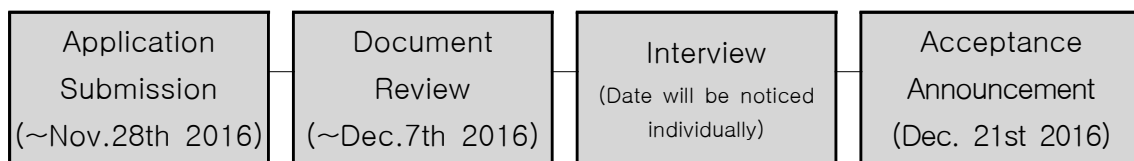
- School of Energy, Materials & Chemical Engineering is a field of studying characteristics and synthesis of materials and matter, which is constantly needed in modern industries. Energy, Materials & Chemical Engineering can be applied to a wide range of industries, such as automobiles, semiconductors, displays, metals, petrochemicals, pharmaceuticals, fine chemistry, energy, environment, and bio-industry, and thus forms the basis of our national industries.
- Career after graduation : The graduates of the department will be advancing into the key industries of Korea, which include the automobile industry, shipbuilding industry, steel industry, metal industry, chemical industry, and electronic industry. They will also work in the field of the promising bio-technology and energy-related industries. These growing industries are in great demand of our talented graduates.

▣ Industrial Management

- The Industrial Management major is committed to providing our students with the knowledge, experience, and skills that are the most demanded of in industrial fields, in addition to the conventional studies of business management. This is based on our educational philosophy involving industry-oriented, practiced-oriented, and techno-management linked with learning about human resources, industrial technology, and information technology.
- Career after graduation : Graduates of the school of Industrial Management will find career opportunities in the same area as those of MBA degree holders. Our school targets both the private and public

sectors, such as corporations and government agencies, where our graduates can perform any job related to organization, such as personnel and HR management, information system management, production and quality management, marketing and sales management, finance management, accounting management, strategy development, international management, and technology management.

2. Admission Procedure



- Required Documents : 3 Photos(3*4cm)

3. Main Note

- Minimum language proficiency Requirement for Applicants : at least level 3 in TOPIK (Test of Proficiency in Korean), TOEFL 550, CBT 210, iBT 80, IELTS 5.5, TEPS 550
 - If applicants don't have this score, students should submit level 3 after Korean language training. (If not admission will be canceled)

4. Contact information

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- Fax : +82-41-560-2509
- E-mail : inter@koreatech.ac.kr