

2025 Available Fields of Study for GKS_Kumoh National Institute of Technology

No.	Department		Available language for the research	Contacts for Faculty				Research Area		
	Korean	English		Name (Korean)	Name (Surname, Given name)	E-mail Address	Office Phone No.	Research Area(Kor)	Research Area(Eng)	Lab Webpage
1	IT융복합공학과	IT Convergence Engineering	English only	이현철	Lee, Heoncheol	hlee@kumoh.ac.kr	+82-54-478-7476	로봇공학 및 지능시스템	Robotics & Intelligent Systems	https://aisl.kumoh.ac.kr
2	IT융복합공학과	IT Convergence Engineering	English only	임기무	Lim, Ki Moo	kmlim@kumoh.ac.kr	+82-54-478-7780	의공학	Biomedical /Computer engineering	https://sites.google.com/view/cmlab
3	IT융복합공학과	IT Convergence Engineering	English only	최세운	Choe, Se-woon	sewoon@kumoh.ac.kr	+82-54-478-7781	의공학, 암치료, 의공학, 의료인공지능	Biomedical Engineering, Cancer Therapy, BioPhotonics, Medical AI	https://sites.google.com/site/sewoon/home
4	IT융복합공학과	IT Convergence Engineering	English only	전태수	Jun, Taesoo	taesoo.jun@kumoh.ac.kr	+82-54-478-7550	SW플랫폼, IoT 연결/시스템, 지능형 기기, 빅데이터, 인공지능/딥러닝, 블록체인	SW Platform, IoT Connectivity/System, Smart Device, Big Data, AI/Deep Learning, Blockchain	http://nsl.kumoh.ac.kr/
5	IT융복합공학과	IT Convergence Engineering	English only	신수용	Shin, Soo Young	wdragon@kumoh.ac.kr	+82-54-478-7473	무선통신, 무인이동체, 인공지능, 양자 컴퓨팅, 딥러닝	Wireless communication, unmanned mobility (UAV, etc.), AI, quantum computing	www.wens.re.kr
6	IT융복합공학과	IT Convergence Engineering	English only	김동성	Kim, Dong-Seong	dkim@kumoh.ac.kr	+82-54-478-7471	실시간 시스템, 산업용 블록체인 네트워크	Real-time Systems, Industrial Blockchain Networks	https://nsl.kumoh.ac.kr/
7	IT융복합공학과	IT Convergence Engineering	English only	이재민	Lee, Jae-Min	ljmpaul@kumoh.ac.kr	+82-54-478-7475	실시간 네트워크, 네트워크 프로토콜 표준화, TRIZ, 블록체인	Real-time Network, Network Protocol Standardization, TRIZ, Blockchain	https://nsl.kumoh.ac.kr/
8	기계공학과	Mechanical Engineering	English & Korean	허장욱	Hur, Jangwook	hhjw88@kumoh.ac.kr	+82-054-478-7399	CAD, CATIA	Failure Diagnosis & Prognostics	https://mx.kumoh.ac.kr/md/sub0326.do
9	기계공학과	Mechanical Engineering	English & Korean	최시혁	Choi, Sihyuk	sh.choi@kumoh.ac.kr	+82-54-478-7291	에너지공학, 연료전지, 수소생산	Energy Engineering, Fuel cell, Hydrogen production	https://sites.google.com/view/emslab
10	기계공학과	Mechanical Engineering	English & Korean	류준석	You, Juneseok	proko1@kumoh.ac.kr	82-54-478-7306	진동학, 바이오센서	Vibration, Biosensor	https://sites.google.com/view/nanobioyou/
11	기계공학과	Mechanical Engineering	English & Korean	김민석	Minseok Kim	mkim@kumoh.ac.kr	+82-54-478-7345	미세유체공학, 나노바이오센서	Microfluidics, Nano-BioSensor	https://microfluidics.wixsite.com/mnbs
12	기계공학과	Mechanical Engineering	English & Korean	김재환	Kim, Jaehwan	kimjh8729@kumoh.ac.kr	+82-54-478-7342	고체역학, 기계재료	Solid mechanics, Materials	https://sites.google.com/view/fmslab/home
13	기계공학과	Mechanical Engineering	English & Korean	박준영	Park, Junyoung	pcello@kumoh.ac.kr	+82-54-478-7377	배터리, 진공청소기, 세탁기, 보행자 대피, 수소환원철	Battery, Vacuum Cleaner, Washing Machine, Pedestrian Evacuation, Hydrogen-Reduced Iron	https://eng.kumoh.ac.kr/eng/sub05_02_16.do
14	기계공학과	Mechanical Engineering	English & Korean	손정우	Sohn, Jung Woo	jwsohn@kumoh.ac.kr	+82-54-478-7378	로봇, AI, 제어, 모빌리티	Robot, AI, Control, Mobility	https://sites.google.com/view/kit-ssc
15	기계공학과	Mechanical Engineering	English & Korean	양종인	Yang, Jongin	jiyang@kumoh.ac.kr	+82-54-478-7348	인공지능, 전산유체역학, 유한요소해석	AI, Computation Fluid Dynamics, Finite Element Analysis	https://sites.google.com/view/jiyang86
16	기계공학과	Mechanical Engineering	English & Korean	이원형	Lee, Wonhyung	wonhyung@kumoh.ac.kr	+82-54-478-7384	초소형기전공학, 미세유체역학	MEMS, Microfluidics	https://sites.google.com/view/mmm-lab
17	기계공학과	Mechanical Engineering	English & Korean	이은택	Lee, Euntaek	euntaek@kumoh.ac.kr	+82-54-478-7328	열역학, 유체역학, 열전달	thermodynamics, fluid dynamics, heat transfer	https://sites.google.com/site/euntaeklab/
18	전자공학과	Electronic Engineering	English only	양연모	Yang, Yeon-Mo	yangym@ee.kumoh.ac.kr	+82-54-478-7488	차세대 무선 통신 및 지능형 시스템	Future wireless communications and intelligent systems	https://sites.google.com/view/wcis-lab-kit/
19	전자공학과	Electronic Engineering	English & Korean	정수민	Jeong, Sumin	suminjeong@kumoh.ac.kr	+85-54-478-7489	모터 설계 및 해석(제어 포함), 최적화	Motor design and analysis (inc. control), optimization	https://sites.google.com/view/edslab/home
20	전자공학과	Electronic Engineering	Korean only	황규윤	Hwang, Kyuyun	kyhwang@kumoh.ac.kr	+82-54-478-7455	인공지능, 딥러닝, 스마트팩토리	Artificial Intelligence, Deep Learning, Smart Factory	http://nplab.kumoh.ac.kr/en/
21	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English only	김태형	kim, Tae-Hyong	taehyong@kumoh.ac.kr	+82-54-478-7528	몰입형 확장현실, 인간-컴퓨터 상호작용, 햅틱스, 임베디드시스템	immersive extended reality, human-computer interaction, haptics, embedded system	https://sixr.kumoh.ac.kr/
22	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English & Korean	최동수	Choi, Dong-Soo	choids@kumoh.ac.kr	+82-54-478-7538	분산처리, 병렬알고리즘	Distributed system, Parallel algorithm	
23	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English only	최태영	Choe, TaeYoung	choety@kumoh.ac.kr	+82-54-478-7526	딥러닝, 컴퓨터비전	Deep Learning, Computer Vision	image.kumoh.ac.kr
24	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English & Korean	김성영	Kim, Sungyoung	sykim@kumoh.ac.kr	+82-54-478-7530	컴퓨터비전, 딥러닝	computer vision, medical imaging, deep learning	http://cvpr.kumoh.ac.kr/
25	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English & Korean	고재필	Ko Jaepil	nonezero@kumoh.ac.kr	+82-54-478-7529	최적화, 데이터 분석, 쿼리컴퓨팅, SCM	Optimization, Data analysis, Quantum Computing, SCM	https://kitlab.kumoh.ac.kr/~hsl
26	산업공학과	Industrial Engineering	English only	이현수	Lee,Hyunsoo	hsl@kumoh.ac.kr	+82-54-478-7661	CAD	CAD	https://sites.google.com/view/mrky
27	산업공학과	Industrial Engineering	Korean only	권기연	Kwon, Kiyoun	mrky@kumoh.ac.kr	+82-54-478-7664	에너지, 인공지능, SCM	Energy, AI, SCM	https://sites.google.com/view/heungjo
28	산업공학과	Industrial Engineering	English & Korean	안홍조	An, Heungjo	heungjo.an@kumoh.ac.kr	+82-54-487-7666	인공지능, 데이터 과학	Artificial Intelligence, Data Science	https://sites.google.com/view/ids-kit/home
29	산업공학과	Industrial Engineering	English & Korean	추상현	Choo, Sanghyun	schoo@kumoh.ac.kr	+82-54-478-7658	바이오센서	Biosensors	https://sites.google.com/view/bss-kumoh/
30	메디컬IT융합공학과	Medical IT Convergence Engineering	English only	송광섭	Song, Kwang Soup	kssong10@kumoh.ac.kr	+82-54-478-7435	전산의학/심혈관질환	'Computational Medicine/Cardiovascular diseases	http://sites.google.com/view/cmlab
31	메디컬IT융합공학과	Medical IT Convergence Engineering	English only	임기무	Lim, Ki Moo	kmlim@kumoh.ac.kr	+82-54-478-7780	무선의료기기, 무선전력전송, 삽입형, 부착형 장비	wireless medical device, wireless power transfer, implantable, wearable device	https://sites.google.com/view/wimedi/home-page
32	메디컬IT융합공학과	Medical IT Convergence Engineering	English & Korean	김한준	Kim, Han-Joon	hanjoonk@kumoh.ac.kr	+82-54-478-7752	의공학, 암치료, 의공학, 의료인공지능	Biomedical Engineering, Cancer Therapy, BioPhotonics, Medical AI	https://sites.google.com/site/sewoon/home
33	메디컬IT융합공학과	Medical IT Convergence Engineering	English only	최세운	Choe, Se-woon	sewoon@kumoh.ac.kr	+82-54-478-7781	뇌영상, 뇌공학, 뇌신경재활	Neuroimaging, Neuroengineering, Neurorehabilitation	https://www.nine9lab.org/
34	메디컬IT융합공학과	Medical IT Convergence Engineering	English & Korean	이정수	Lee, Jung soo	jungsoo@kumoh.ac.kr	+82-54-478-7784	의용 계측, 회로 시스템	Biomedical instrumentation, circuit system	https://sites.google.com/view/mcslab
35	메디컬IT융합공학과	Medical IT Convergence Engineering	English & Korean	염지용	Um, Ji-Yong	jyum@kumoh.ac.kr	+82-54-478-7783	추천시스템, 감정 파악	Recommendation System, Ecotion Detection	
36	소프트웨어공학과	Software Engineering	English & Korean	김병만	Kim, Byeong Man	bmkim@kumoh.ac.kr	+82-54-478-7544			

37	소프트웨어공학과	Software Engineering	English only	전태수	Jun, Taesoo	taesoo.jun@kumoh.ac.kr	+82-54-478-7550	SW플랫폼, IoT, 지능형 기기, 빅데이터, 인공지능/딥러닝, 블록체인	SW Platform, IoT, Smart Device, Big Data, AI/Deep Learning, Blockchain	https://sites.google.com/view/pic-lab
38	소프트웨어공학과	Software Engineering	English & Korean	김영우	Kim, Youngwoo	ywkim09@kumoh.ac.kr	+82-54-478-7541	인공지능, 영상처리, 신호처리	AI, Image Processing, Signal Processing	
39	소프트웨어공학과	Software Engineering	English & Korean	이광희	Lee, Kwang Hee	kwanghee@kumoh.ac.kr	+82-54-478-7543	데이터 마이닝	data mining	https://cs.kumoh.ac.kr/cs/index.do
40	신소재공학과	Advanced Materials Science and Engineering	English & Korean	김현호	Kim, Hyun Ho	kimhh@kumoh.ac.kr	+82-54-478-7729	이차원 나노소재 합성 및 반도체소자 응용	Synthesis of two-dimensional materials and their semiconducting device applications	https://sites.google.com/view/2dmaterials
41	신소재공학과	Advanced Materials Science and Engineering	English & Korean	박용일	Park, Yong-il	yipark@kumoh.ac.kr	+82-54-478-7743	수소연료전지, 이차전지	Hydrogen Fuel Cell, secondary battery	https://sites.google.com/view/ebml
42	신소재공학과	Advanced Materials Science and Engineering	English & Korean	안성진	An, Sungjin	sungjinan@kumoh.ac.kr	+82-54-478-7747	나노재료, 화합물반도체	compound semiconductor, nanomaterials	https://sites.google.com/view/nomslab/home?authuser=0
43	토목공학과	Civil Engineering	English & Korean	방건준	Bhang, Kon Joon	bhang.1@kumoh.ac.kr	+82-54-478-7619	원격탐사, 지리정보시스템	Remote Sensing, GIS	
44	토목공학과	Civil Engineering	English & Korean	고규현	Go, Gyu-Hyun	gyuhungo@kumoh.ac.kr	+82-54-478-7620	지반공학, 지반수치해석, 딥러닝	Geotechnical Engineering, Numerical simulation, Deep learning	https://www.gyuhungo-geosystemlab.com/
45	토목공학과	Civil Engineering	English & Korean	나병준	Na, Byoungjoon	youngjoon.na@kumoh.ac.kr	+82-54-478-7623	해안공학, 해양공학, 수리학, 실험유체동역학	Coastal Engineering, Ocean Engineering, Hydraulics, Experimental Fluid Dynamics	https://sites.google.com/view/bnakumoh
46	응용화학과	Applied Chemistry	English & Korean	정현민	JUNG, Hyun Min	hmjung@kumoh.ac.kr	+82-54-478-7827	에너지소재, 전자재료, 고분자 복합재료	Energy Materials, Electronic Materials, Polymer-Inorganic hybrid materials	https://sites.google.com/site/hybridmaterialchemistrylab
47	응용화학과	Applied Chemistry	English & Korean	오일환	Oh, Ilwhan	ioh@kumoh.ac.kr	+82-54-478-7829	전기화학	Electrochemistry	https://scholar.google.co.kr/citations?user=L-e7WPwAAAAJ&hl=en
48	경영학과	Business Administration	English & Korean	김귀곤	Kim, Gwi gon	metheus@kumoh.ac.kr	+82-54-478-7848	마케팅	Marketing	