

2025 Available Fields of Study for K-GKS_Kumoh National Institute of Technology

No.	Department		Available language for the courses	Contacts for Faculty				Research Area(Kor)			Research Area(Eng)		Lab Webpage
	Korean	English		Name (Korean)	Name (Surname, Given name)	E-mail Address	Office Phone No.						
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://aisi.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/cmllab	
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://www.wens.re.kr	
5	IT융복합공학과	IT Convergence Engineering	English only	신수용	Shin, Soo Young	wdragon@kumh.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	dskim@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	류준석	You, Juneseok	proko1@kumoh.ac.kr	82-54-478-7306	진동학, 바이오센서		Vibration, Biosensor		https://sites.google.com/view/nanobiyou/	
10	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	
11	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/fmislab/home	
12	기계공학과	Mechanical Engineering	English & Korean	박준영	Park, Junyoung	pcello@kumoh.ac.kr	+82-54-478-7377	배터리, 진공정소기, 세탁기, 보행자 대피, 수소환원철		Battery, Vacuum Cleaner, Washing Machine, Pedetrian Evacuation, Hydrogen-Reduced Iron		https://eng.kumoh.ac.kr/eng/sub05_02_16.do	
13	기계공학과	Mechanical Engineering	English & Korean	손정우	Sohn, Jung Woo	jssohn@kumoh.ac.kr	+82-54-478-7378	로봇, AI, 제어, 모빌리티		Robot, AI, Control, Mobility		https://sites.google.com/view/kit-ssc	
14	기계공학과	Mechanical Engineering	English & Korean	양종인	Yang, Jongin	jjiyang@kumoh.ac.kr	+82-54-478-7348	인공지능, 전산유체역학, 유한요소해석		AI, Computation Fluid Dynamics, Finite Element Analysis		https://sites.google.com/view/gyang86	
15	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/mnm-lab	
16	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/	
17	전자공학과	Electronic Engineering	English only	양연모	Yang, Yeon-Mo	yangym@ee.kumoh.ac.kr	+82-54-478-7488	<small>무선 통신, 디지털 신호 처리, 임베디드 시스템, 인공지능, 딥러닝, 스마트 팩토리</small>		<small>Random Processes, Digital Signal Processing(DSP), Control, Embedded Systems, Bio-Computer Interface(BCI), Linux, Wireless Sensor Network(WSN), Optimization</small>			
18	전자공학과	Electronic Engineering	English & Korean	정수민	Jeong, Sumin	sumin.jeong@kumoh.ac.kr	+85-54-478-7489	차세대 무선 통신 및 지능형 시스템		Future wireless communications and intelligent systems		https://sites.google.com/view/wcis-lab-kit/	
19	전자공학과	Electronic Engineering	Korean only	황규윤	Hwang, Kyuyun	kyhwang@kumoh.ac.kr	+82-54-478-7455	모터 설계 및 해석(제어 포함), 최적화		Motor design and analysis (inc. control), optimization		https://sites.google.com/view/edslab/home	
20	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English only	김태형	kim, Tae-Hyong	taehyong@kumoh.ac.kr	+82-54-478-7528	인공지능, 딥러닝, 스마트팩토리		Artificial Intelligence, Deep Learning, Smart Factory		http://nplab.kumoh.ac.kr/en/	
21	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English & Korean	최동수	Choi, Dong-Soo	choids@kumoh.ac.kr	+82-54-478-7538	몰입형 확장현실, 인간-컴퓨터 상호작용, 햅틱스, 임베디드시스템		immersive extended reality, human-computer interaction, haptics, embedded system		https://sizr.kumoh.ac.kr/	
22	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English only	최태영	Choe, TaeYoung	choety@kumoh.ac.kr	+82-54-478-7526	분산처리, 병렬알고리즘		Distributed system, Parallel algorithm			
23	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English & Korean	김성영	Kim, Sungyoung	sykim@kumoh.ac.kr	+82-54-478-7530	딥러닝, 컴퓨터비전		Deep Learning, Computer Vision		image.kumoh.ac.kr	
24	컴퓨터·AI융합공학과	Computer·AI Convergence Engineering	English & Korean	고재필	Ko Jaepil	skson@write.me.com	+82-54-478-7529	컴퓨터비전, 딥러닝		computer vision, medical imaging, deep learning		http://cvpr.kumoh.ac.kr/	
25	산업공학과	Industrial Engineering	English only	이현수	Lee,Hyunsoo	hsl@kumoh.ac.kr	+82-54-478-7661	최적화, 데이터 분석, 쿼터컴퓨팅, SCM		Optimization, Data analysis, Quantum Computing, SCM		https://kitlab.kumoh.ac.kr/~hsl	
26	산업공학과	Industrial Engineering	Korean only	권기연	Kwon, Kiyoun	mrkky@kumoh.ac.kr	+82-54-478-7664	CAD		CAD		https://sites.google.com/view/mrkky	
27	산업공학과	Industrial Engineering	English & Korean	안흥조	An, Heungjo	heungjo.an@kumoh.ac.kr	+82-54-487-7666	에너지, 인공지능, SCM		Energy, AI, SCM		https://sites.google.com/view/heungjo	
28	산업공학과	Industrial Engineering	English & Korean	추상현	Choo, Sanghyun	school@kumoh.ac.kr	+82-54-478-7658	인공지능, 데이터 과학		Artificial Intelligence, Data Science		https://sites.google.com/view/ids-kit/home	
29	메디컬IT융합공학과	Medical IT Convergence Engineering	English only	송광섭	Song, Kwang Soup	kssong10@kumoh.ac.kr	+82-54-478-7435	바이오센서		Biosensors		https://sites.google.com/view/bss-kumoh/	
30	메디컬IT융합공학과	Medical IT Convergence Engineering	English only	임기무	Lim, Ki Moo	kmlim@kumoh.ac.kr	+82-54-478-7780	전산의학/심혈관질환		'Computational Medicine'/Cardiovascular diseases		http://sites.google.com/view/cmllab	
31	메디컬IT융합공학과	Medical IT Convergence Engineering	English & Korean	김한준	Kim, Han-Joon	hanjoon@kumoh.ac.kr	+82-54-478-7752	무선의료기기, 무선전력전송, 삽입형, 부착형 장비		wireless medical device, wireless power transfer, implantable, wearable device		https://sites.google.com/view/wimed/home-page	
32	메디컬IT융합공학과	Medical 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	
33	메디컬IT융합공학과	Medical IT Convergence Engineering	English & Korean	이정수	Lee, Jung soo	jungsoo@kumoh.ac.kr	+82-54-478-7784	뇌영상, 뇌공학, 뇌신경재활		Neuroimaging, Neuroengineering, Neurorehabilitation		https://www.nine9lab.org/	
34	메디컬IT융합공학과	Medical IT Convergence Engineering	English & Korean	엄지용	Um, Ji-Yong	jyum@kumoh.ac.kr	+82-54-478-7783	의용 계측, 회로 시스템		Biomedical instrumentation, circuit system		https://sites.google.com/view/mcslab	
35	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	
36	소프트웨어공학과	Software Engineering	English & Korean	김영우	Kim, Youngwoo	ywkim09@kumoh.ac.kr	+82-54-478-7541	인공지능, 영상처리, 신호처리		AI, Image Processing, Signal Processing			
37	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	
38	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	
39	신소재공학과	Advanced Materials Science and Engineering	English & Korean	박용호	Park, Yong-il	yipark@kumoh.ac.kr	+82-54-478-7743	수소연료전지, 이차전지		Hydrogen Fuel Cell, secondary battery		https://sites.google.com/view/ebml	
40	신소재공학과	Advanced Materials Science and Engineering	English & Korean	안성진	An, Sungjin	sungjin@kumoh.ac.kr	+82-54-478-7747	나노재료, 복합물반도체		compound semiconductor, nanomaterials		https://sites.google.com/view/nomslab/home?authuser=0	
41	토목공학과	Civil Engineering	English & Korean	방건준	Bhang, Kon Joon	bhang.1@kumoh.ac.kr	+82-54-478-7619	원격탐사, 지리정보시스템		Remote Sensing, GIS			
42	토목공학과	Civil Engineering	English & Korean	고규현	Go, Gyu-Hyun	gyuhyungo@kumoh.ac.kr	+82-54-478-7620	지반공학, 지반수치해석, 딥러닝		Geotechnical Engineering, Numerical simulation, Deep learning		https://www.gyuhungo-geosystemlab.com/	

43	토목공학과	Civil Engineering	English & Korean	나병준	Na, Byoungjoon	byoungjoon.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
44	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
45	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