

Department of Biochemical Engineering

The global trend of the 21st century is environment and energy, and green growth based on this is the direction of the Department of Biochemical Engineering responsible for future green growth.

The Department of Biochemical Engineering is developing new technologies that enable sustainable growth while maintaining a clean environment and educating our students with advanced knowledge to grow them into valuable talents.

The department has a Research Lab for Environmental Analysis to examine the status of the environment to suggest solutions, a Research Lab for Polymer Surface and Interface Chemistry to study interfacial phenomenon, a Research Lab for Biomed Synthesis to study synthesis of advanced biomed and discover physiological active substances, a Research Lab for Functional Polymer to develop contact lenses or electronic materials, a Research Lab for Bio Environment & Energy to produce new and renewable energy and address environmental issues, and a Research Lab for Waste Treatment Engineering to study effective treatment processes for wastes. Today our faculty and students are working on research until late at night. Do you have greater ideals and aspirations than we do? If so, please unleash your precious dreams in our department, leading the trend of the times. We are all ready to go forward with you to a hopeful future

Information

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Professor Introduction

NAME	MAJOR	TELEPHONE	E-MAIL
Kim, Han Soo	Physical Chemistry(Thermodynamics), Surface Chemistry	+82-33-640-2402	khs@gwnu.ac.kr
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Curriculum

Course Code	Course Title	Credit
559.502	Advanced Physical Chemistry for Engineers	3-3-0
559.503	Applied Organic Chemistry	3-3-0
559.505	Special Topics in Polymers	3-3-0
559.506	Advanced Biochemical Engineering	3-3-0
559.508	Water Treatment Engineering	3-3-0
559.509	Advanced Protein and Enzyme Engineering	3-3-0
559.604	Special Topics in Surface Chemistry	3-3-0
559.608	Advanced Reaction Engineering	3-3-0
559.609	Advanced Transport Phenomena	3-3-0
559.610	Advanced Functional Polymers	3-3-0
559.611	Instrumental Analysis of Polymers	3-3-0
559.612	Advanced Polymers for Electronics	3-3-0
559.616	Clean Chemical Technology	3-3-0
559.623	Statistical Thermodynamics	3-3-0
559.624	Quantum Chemistry	3-3-0
559.625	Sludge Treatment and Disposal	3-3-0
559.628	Membrane Separation Process	3-3-0
559.629	Advanced environmental biotechnology	3-3-0
559.631	Medicinal Organic SynthesisII	3-3-0
559.632	Structural Analysis of Organic MaterialsII	3-3-0
559.633	Special Topics in Reaction MechanismII	3-3-0
559.635	Advanced Molecular Biotechnology	3-3-3
559.636	Advanced Industrial Biotechnology	3-3-0
559.637	Advanced Metabolic Engineering	3-3-0