

Department of Chemical Engineering

Section	Details						
1. Introduction	<p>Chemical engineering is an academic field based on research on the rate of physical and chemical change of chemicals, and is a basic engineering field necessary for applications covering all sectors of the industry, including traditional chemical industry and oil refining and petrochemical processes, semiconductors, polymers and new materials, bio-chemicals, functional nanomaterials, environmental issues, and energy conversion and storage, and is currently researching high-tech fields with potential for industrialization in the future as well as industrial sector.</p>						
2. Objective	<ol style="list-style-type: none"> 1. Development of chemical engineering expertise that is the core foundation of many industrial sectors 2. Cultivating creative, high-tech research capabilities that can be applied in the field and industrialized in the future 3. To develop righteous, multidisciplinary with international sense, and well-balanced chemical engineers who can contribute to our society. 						
3. Specialities and Features	<ul style="list-style-type: none"> - Chemical processes: Studies on the physical, chemical and biological processes for chemical and high-tech industries - Chemical material science: Studies on the synthesis, related processes and application of chemical and nanomaterials - Energy and environment: Studies on eco-friendly energy process, energy storage and environmental science 						
4. Specific Major	<table border="1"> <thead> <tr> <th data-bbox="474 1222 629 1286"></th> <th data-bbox="629 1222 2092 1286">Name of the major</th> </tr> </thead> <tbody> <tr> <td data-bbox="474 1286 629 1358"> Master's </td> <td data-bbox="629 1286 2092 1358"> Master of Science in Chemical Engineering </td> </tr> <tr> <td data-bbox="474 1358 629 1430"> Doctorate </td> <td data-bbox="629 1358 2092 1430"> Doctor of Philosophy in Chemical Engineering </td> </tr> </tbody> </table>		Name of the major	Master's	Master of Science in Chemical Engineering	Doctorate	Doctor of Philosophy in Chemical Engineering
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5. Faculty	Name	Education Profile(Degree)	Major(Research Area)	E-mail
	Heon Sang Lee	Ph. D.	Polymer-Nano Materials & Fluids	heonlee@dau.ac.kr
	Jung Kyoo Lee	Ph. D.	Nanomaterials for Energy & Catalysis	jkleee88@dau.ac.kr
	Jeom-Soo Kim	Ph. D.	Materials for Energy Applications (Batteries, Capacitors)	JSenergy@dau.ac.kr
	Jongsik kim	Ph. D.	Materials Chemistry	jskimm@dau.ac.kr
	Su Chul Yang	Ph. D.	Energy Nanomaterials and Devices	scyang@dau.ac.kr
	Jeong hwa Seo	Ph. D.	Solar cells, light emitting devices and materials characterization	seojh@dau.ac.kr
	Hyo Kang	Ph. D.	Polymer Chemistry	hkang@dau.ac.kr
	Jeonghun Sa	Ph. D.	Energy Engineering & Separation Proces	jhsa@dau.ac.kr
	Myeonggi Park	Ph. D.	Physical Chemistry	bikeplay@dau.ac.kr
6. Degrees Granted				
7. Contact		Details		
	Department Office	<ul style="list-style-type: none"> ◦ Person in charge: Kim, Hyun Seo ◦ Location Busan, Republic of Korea 	<ul style="list-style-type: none"> ◦ Tel: +82-51-200-7717 ◦ E-mail: hs0802@dau.ac.kr 	
	Academic Advisor	<ul style="list-style-type: none"> ◦ Name: Prof. Lee, heonsang ◦ Tel: +82-51-200-7724 	<ul style="list-style-type: none"> ◦ E-mail : heonlee@dau.ac.kr 	
8. Remark				