

에너지/생명공학과

■ 교과과정

<석사/박사 공통과정>

이수구분	교과목번호	교과목명	학-이-실	개설학기
전공선택	동서대 (DS) - 베를린공대 (TUB) - 에어랑겐대 (FAU)	995968 고분자화학특론 (Advanced Polymer Chemistry)	3-3-0	
		995969 특허전략 (Patent strategy)	3-3-0	
		995971 생물공정공학실험 (Bioprocess Engineering Exp.)	2-0-4	
		995972 세포생물학실험 (Experiment of Cell Biology)	3-0-6	
		995974 고분자발포체공학 (Polymer Foams)	3-3-0	
		995975 특허법 (Patent law)	3-3-0	
		995983 단위조작II (Unit Operation II)	3-3-0	
		995984 전공세미나II (Seminar II)	1-1-0	
		997662 유전학 (Genetics)	3-3-0	
		997665 생물공정공학 (Bioprocess Engineering)	4-4-0	
		998113 유전학실험 (Genetics Lab.)	4-0-8	
		998114 생화학 II (Biochemistry II)	3-3-0	
		998115 생화학 II 실험 (Experiment of Biochemistry II)	4-0-8	
		998116 생물반응공학 (Bioreaction)	4-4-0	
		998117 생물반응공학실험 (Experiment of Bioreaction)	4-0-8	
		998122 분자유전학 (Molecular Genetics)	2-2-0	
		998123 분자유전학실험 (Experiment of Molecular Genetics)	4-0-8	
		998124 산업미생물학실험 (Experiment of Industrial Microbiology)	3-0-6	
		998126 제품분리공정실험 (Exp. of Separation Methods for Biological Products)	4-0-8	
		998354 고전유전학 (Classical Genetics)	2-2-0	
		998355 고전유전학실험 (Experiment of Classical Genetics)	4-0-8	
		998356 기기분석 II (Chemical and Technical Analysis II)	3-3-0	
		998357 기기분석 II 실험 (Experiment of Chemical and Technical Analysis II)	4-0-8	
		998358 제품분리공정 (Separation Methods for Biological products)	2-2-0	
		998385 생물정보학 II (Bioinformatics II)	4-4-0	
		998402 기기분석 I (Chemical and Technical Analysis I)	3-3-0	
		998403 기기분석 I 실험 (Experiment of Chemical and Technical Analysis I)	4-0-8	
		998406 생물정보학 I (Bioinformatics I)	4-4-0	
		998407 산업미생물학 (Industrial Microbiology)	2-2-0	
		998437 산업미생물학 I (Industrial Microbiology I)	1-1-0	
		998438 산업미생물학 I 실험 (Experiment of Industrial Microbiology I)	2-0-4	
		998439 열역학 (Thermodynamics)	3-3-0	
		998440 환경공학 (Environmental Engineering)	3-3-0	
		998469 고분자구조특론 (Advanced Structure-Property Relationship of Polymers)	3-3-0	
		998470 유기합성특론 (Advanced Organic Synthesis)	3-3-0	
		998471 특허설계 (Patent design)	3-3-0	
		998472 기기분석특론 (Advanced Instrumental Analysis)	3-3-0	
		998473 단위조작 I (Unit Operation I)	3-3-0	
		998474 전공세미나 (Seminar I)	1-1-0	
		999182 탄성체공학 (Elastomer Technology)	3-3-0	
		999491 고분자가공특론 (Advanced Polymer Processing)	3-3-0	
		999500 생물물리학 (Biophysics)	3-3-0	

이수구분	교과목번호	교 과 목 명	학-이-실	개설학기
	999510	산업미생물학 II (Industrial Microbiology II)	1-1-0	
	999511	산업미생물학 II 실험 (Experiment of Industrial Microbiology II)	2-0-4	
	999662	의학생명공학 I (Medical Biotechnology I)	3-3-0	
	999676	의학생명공학 II (Medical Biotechnology II)	3-3-0	
	999704	분석화학 (Analytical Chemistry)	3-3-0	
	999705	물리화학분석 (Physical-Chemical Analysis)	3-3-0	
	999706	물리화학분석실험 (Physical-Chemical Analysis Lab.)	2-0-4	
	999707	제어공학 I (Control Engineering I)	3-3-0	
	999747	반응공학특론 (Advanced Reaction Engineering)	3-3-0	
	999748	에너지공학특론 (Advanced Energy Engineering)	3-3-0	
	999749	고분자복합재료 (Polymer Composites)	3-3-0	
	999774	제어공학II (Control Engineering II)	3-3-0	
	999777	전공세미나III (Seminar III)	1-1-0	
	999778	전공세미나IV (Seminar IV)	1-1-0	
	999779	가스처리공학 (Gas Control Engineering)	3-3-0	
	999780	바이오에너지 (Bio Energy)	3-3-0	
전공필수	998000	논문연구 (Thesis Research)	P-1-0	