

에너지/생명공학과
(Energy/Bio-Engineering)

<석/박사 공통과정>

이수구분		교과목번호	교과목명	(영문)	학점	이론	실습	비고
전공 선택	동서대 (DSU) - 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	16-1/18-1
		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 OperationⅡ	3	3	0	19-2
		995984	전공세미나Ⅱ	SeminarⅡ	1	1	0	
		997662	유전학	Genetics	3	3	0	17-1/19-1
		997665	생물공정공학	Bioprocess Engineering	4	4	0	16-1/17-2/18-2/20-2
		998113	유전학실험	Genetics Lab.	4	0	8	
		998114	생화학Ⅱ	BiochemistryⅡ	3	3	0	19-2
		998115	생화학Ⅱ 실험	Experiment of BiochemistryⅡ	4	0	8	
		998116	생물반응공학	Bioreaction	4	4	0	16-2/17-2/18-2/20-2
		998117	생물반응공학실험	Experiment of Bioreaction	4	0	8	18-1
		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	기기분석Ⅱ	Chemical and Technical AnalysisⅡ	3	3	0	
		998357	기기분석Ⅱ 실험	Experiment of Chemical and Technical AnalysisⅡ	4	0	8	
		998358	제품분리공정	Separation Methods for Biologicalproducts	2	2	0	
		998385	생물정보학Ⅱ	BioinformaticsⅡ	4	4	0	
		998402	기기분석Ⅰ	Chemical and Technical AnalysisⅠ	3	3	0	19-2
		998403	기기분석Ⅰ실험	Experiment of Chemical and Technical AnalysisⅠ	4	0	8	
		998406	생물정보학Ⅰ	BioinformaticsⅠ	4	4	0	
		998407	산업미생물학	Industrial Microbiology	2	2	0	16-2/19-1
		998437	산업미생물학Ⅰ	Industrial MicrobiologyⅠ	1	1	0	16-2/17-2
		998438	산업미생물학Ⅰ 실험	Experiment of Industrial MicrobiologyⅠ	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	19-2
		998471	특허설계	Patent design	3	3	0	
		998472	기기분석특론	Advanced Instrumental Analysis	3	3	0	
		998473	단위조작Ⅰ	Unit OperationⅠ	3	3	0	17-1/19-1
		998474	전공세미나Ⅰ	SeminarⅠ	1	1	0	19-1
		999182	탄성체공학	Elastomer Technology	3	3	0	
		999491	고분자가공특론	Advanced Polymer Processing	3	3	0	
		999500	생물물리학	Biophysics	3	3	0	17-1
		999510	산업미생물학Ⅱ	Industrial MicrobiologyⅡ	1	1	0	
		999511	산업미생물학Ⅱ실험	Experiment of Industrial MicrobiologyⅡ	2	0	4	
		999662	의학생명공학Ⅰ	Medical BiotechnologyⅠ	3	3	0	20-1
		999676	의학생명공학Ⅱ	Medical BiotechnologyⅡ	3	3	0	
		999704	분석화학	Analytical Chemistry	3	3	0	20-1
		999705	물리화학분석	Physical-Chemical Analysis	3	3	0	
		999706	물리화학분석실험	Physical-Chemical Analysis Lab.	2	0	4	
		999707	제어공학Ⅰ	Control EngineeringⅠ	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 EngineeringⅡ	3	3	0	
		999777	전공세미나Ⅲ	SeminarⅢ	1	1	0	
		999778	전공세미나Ⅳ	SeminarⅣ	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	매학기