

2013 학년도 대학원 화학공학과 교육과정

◆ 교육과정 편성표

과목번호	과목명	영문명	학점
CHEN700	화학공학적방법1	Chemical Engineering Method1	3-3-0
CHEN701	화학공학적방법2	Chemical Engineering Method2	3-3-0
CHEN702	화공수치해석특론	Advanced Numerical Analysis in Chemical Engineering	3-3-0
CHEN703	화학공학특강1	Special Topics in Chemical Engineering1	3-3-0
CHEN704	화학공학특강2	Special Topics in Chemical Engineering2	3-3-0
CHEN705	분석기기	Analytical Instruments	3-3-0
CHEN706	실험실 자동화	Laboratory Automation	3-3-0
CHEN707	고급공정제어1	Advanced Process Control1	3-3-0
CHEN708	고급공정제어2	Advanced Process Control2	3-3-0
CHEN709	공정시스템공학	Process Systems Engineering	3-3-0
CHEN710	물질전달현상	Mass Transfer Phenomena	3-3-0
CHEN711	계면현상론	Interfacial Phenomena	3-3-0
CHEN712	분리정제공정	Separation and Purification Processes	3-3-0
CHEN713	고급반응공학1	Advanced Reaction Engineering1	3-3-0
CHEN714	고급반응공학2	Advanced Reaction Engineering2	3-3-0
CHEN715	흡착공정	Adsorption Processes	3-3-0
CHEN716	불균일촉매	Heterogeneous Catalysis	3-3-0
CHEN718	열전달특론	Advanced Heat Transfer	3-3-0
CHEN719	유체전달현상	Transport Phenomena of Fluids	3-3-0
CHEN721	통계열역학	Statistical Thermodynamics	3-3-0
CHEN723	생물폐수처리	Biological Waste Treatment	3-3-0
CHEN724	고급생물화학공학	Advanced Biochemical Engineering	3-3-0
CHEN725	화학공정모사및모델링	Simulation and Modeling of Chemical Processes	3-3-0
CHEN726	공정최적화	Process Optimization	3-3-0
CHEN727	공정변수예측론	Process Variables Identification	3-3-0
CHEN728	고분자유변학및가공	Polymer Rheology and Processing	3-3-0
CHEN730	고급고분자공학	Advanced Polymer Engineering	3-3-0
CHEN732	화공수학1	Chemical Engineering Mathematics1	3-3-0
CHEN733	화공수학2	Chemical Engineering Mathematics2	3-3-0
CHEN734	물질전달특론	Advanced Mass Transfer	3-3-0
CHEN735	분리공정특론	Advanced Separation Process	3-3-0
CHEN736	화학공학세미나1	Chemical Engineering Seminar1	1-1-0
CHEN737	화학공학세미나2	Chemical Engineering Seminar2	1-1-0
CHEN738	화학공학세미나3	Chemical Engineering Seminar3	1-1-0
CHEN739	화학공학세미나4	Chemical Engineering Seminar4	1-1-0
CHEN741	생물화학특론	Special Topics in Biochemical engineering	3-3-0
CHEN742	흡착공정설계	Design of Adsorption Processes	3-3-0
CHEN743	화공안전설계	Chemical Process Design for Safety	3-3-0
CHEN744	고급생물발효	Advanced Fermentation Engineering	3-3-0
CHEN745	화공통계학	Statistics in Chemical Engineering	3-3-0
CHEN746	혼합물이론	Theory of Mixture	3-3-0
CHEN750	화공열역학특론	Advanced Thermodynamics of Chemical Engineering	3-3-0
CHEN751	반도체공정특론	Advanced Semiconductor Processes	3-3-0
CHEN752	환경생물화학특론	Advanced Environmental Biochemical Engineering	3-3-0
CHEN753	표면화학특론	Advanced Surface Chemistry	3-3-0
CHEN755	분자나노기술1	Molecular Nanotechnology1	3-3-0
CHEN756	분자나노기술2	Molecular Nanotechnology2	3-3-0

CHEN757	나노바이오기술1	Nanobiotechnology1	3-3-0
CHEN758	나노바이오기술2	Nanobiotechnology1	3-3-0
CHEN759	환경촉매공학	Environmental Catalysis Engineering	3-3-0
CHEN760	화학공학특강3	Special Topics in Chemical Engineering3	3-3-0
CHEN761	화학공학특강4	Special Topics in Chemical Engineering4	3-3-0
CHEN762	반응공학특강1	Special Topics in Reaction Engineering1	3-3-0
CHEN763	반응공학특강2	Special Topics in Reaction Engineering2	3-3-0
CHEN764	전달현상특강1	Special Topics in Transport Phenomena1	3-3-0
CHEN765	전달현상특강2	Special Topics in Transport Phenomena2	3-3-0
CHEN766	에너지공학특론	Advanced Energy Engineering	3-3-0
CHEN767	유기반도체특론	Advanced Organic Semiconductors	3-3-0
CHEN768	바이오메디칼소자특론	Advanced Biomedical Devices	3-3-0
CHEN799	석사학위 논문연구 (화학공학)	Thesis : Chemical Engineering	3-3-0
CHEN808	고분자공학특론	Special Topics in Polymer Engineering	3-3-0
CHEN818	화학공학분석	Chemical Engineering Analysis	3-3-0
CHEN999	박사학위 논문연구 (화학공학)	Dissertation : Chemical Engineering	3-3-0