

# List of Major Courses in English

전공영어교과과정 트랙 교과목 안내 | 인하대학교



<b>College of Engineering</b>	Mechanical Engineering   기계공학과	1
	Civil Engineering   사회인프라공학과	2
	Industrial Engineering   산업경영공학과	3
	Biological Engineering   생명공학과	4
	Materials Science and Engineering   신소재공학과	5
	Energy Resource Engineering   에너지자원공학과	6
	Naval Architecture & Ocean Engineering   조선해양공학과	7
	Chemical Engineering   화학공학과	8
	Environmental Engineering   환경공학과	9
	Electrical Engineering   전기공학과	10
	Electronic Engineering   전자공학과	11
	Information and Communication Engineering   정보통신공학과	12
<b>College of Natural Sciences</b>	Physics   물리학과	13
	Ocean Sciences   해양과학과	14
<b>College of Business Administration</b>	Business Administration   경영학과	15
	Global Finance and Banking   글로벌금융학과	16
	Logistics   아태물류학부	17
<b>College of Education</b>	English Language Education   영어교육과	18
<b>College of Social Science</b>	Economics   경제학과	19
	Communication and Information   언론정보학과	20
	Public Administration   행정학과	21
<b>College of Humanities</b>	English Language and Literature   영어영문학과	22
<b>Arts and Sports</b>	Kinesiology   스포츠과학전공	23

College of Engineering

Mechanical Engineering

기계공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
MEG2120	Thermodynamics 1	열역학1	○		3
MEG2221	Thermodynamics 2	열역학2		○	3
MEG2250	Fluid Mechanics 1	유체역학1		○	3
MEG2076	Linear Algebra	선형대수	○	○	3
MEG2101	Mechanics of Materials 1	재료역학1	○		3
MEG2160	Dynamics 1	동역학1	○		3
MEG3077	Numerical Analysis	수치해석	○	○	3
MEG3165	Automatic Control	자동제어	○		3
MEG3151	Fluid Mechanics 2	유체역학2	○		3
MEG3185	General Design of Mechanical Engineering 1	기계공학일반설계1	○		3
MEG3286	General Design of Mechanical Engineering 2	기계공학일반설계2		○	3
MEG3266	Mechanical Measurement	계측공학		○	3
MEG3227	Heat Transfer	열전달		○	3
MEG4267	Robotics	로봇공학		○	3
MEG4254	Computational Fluids Engineering	전산유체공학		○	3
MEG4228	Renewable Energy Technology	신재생에너지공학		○	3

## College of Engineering

# Civil Engineering

# 사회인프라공학

Course Number	Course Title	Spring Semester	Fall Semester	Credit
CIV2411	Environmental Engineering and Lab	○		3
CIV2420	Energy Resources		○	3
CIV3330	Hydrology	○		3
CIV3340	Design of Hydrologic and Hydraulic Systems		○	3
CIV3430	Water Supply & Wastewater Eng.		○	3
CIV4220	Rock Engineering		○	3
CIV4230	Design of Geosystems	○		3
CIV4350	Water Resources Engineering	○		3
CIV3211	Soil Mechanics and Lab		○	3
CIV3220	Geotechnical Engineering and Lab	○		3
CIV4210	Foundation Engineering	○		3
CIV3100	Structural Analysis	○		3
CIV3110	Advanced Structural Analysis		○	3

## College of Engineering

# Industrial Engineering

# 산업경영공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
IEN2008	Database	데이터베이스	○		3
IEN2012	Introduction to cost management and engineering economics	원가와 경제성공학		○	3
IEN2013	Work Measurement	작업연구		○	3
IEN2201	Database Design	데이터베이스설계		○	3
IEN3022	e-Business(Capstone Design)	e비즈니스		○	3
IEN3202	Industrial Information System	산업정보화	○		3
IEN3204	Information Retrieval	정보검색론		○	3
IEN3301	Human Factors Engineering	인간공학	○		3
IEN4103	Production Economics	생산경제학	○		3
IEN4206	Capstone Design in Patent Information System	특허정보론	○		3
IEN4208	Financial Engineering(Capstone Design)	금융공학		○	3

## College of Engineering

# Biological Engineering

# 생명공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
BTE2101	Organic Chemistry1	유기화학1	○		3
BTE2202	Transport phenomena for bioengineer	생공이동현상		○	3
BTE2207	Organic Chemistry2	유기화학2		○	3
BTE2206	Instrumental Analysis in Bioengineering	생공기기분석		○	3
BTE3101	Biochemical Engineering	생물화학공학	○		3
BTE3106	Introduction to Nanobiotechnology	나노바이오공학개론	○		3
BTE3109	Cell Culture Engineering	세포배양공학	○		3
BTE3211	Functional nanomaterials for Bio-imaging	기능성나노소재설계및바이오이미징	○		3
BTE4107	Bioprocess Engineering	생물공정공학	○		3
BTE4202	Bioseparation Engineering	생물분리공학		○	3
BTE4203	Food Biotechnology	식품생물공학		○	3
BTE4205	Biomaterials Engineering	생체재료공학		○	3

## College of Engineering

## Materials Science & Engineering

## 신소재공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
MSE2002	Materials Science and Engineering 2	재료과학2		○	3
MSE2003	Physical Chemistry 1	물리화학1	○		3
MSE2004	Physical Chemistry 2	물리화학2		○	3
MSE2006	Crystallography	결정학	○		3
MSE2009	Physical Metallurgy	물리금속학	○		3
MSE3003	Thermodynamics of Materials	재료열역학	○		3
MSE3004	Phase Transformation	상변태론		○	3
MSE3009	Electronic Properties of Materials	전자재료물성	○		3
MSE3016	Mass Transport Phenomena	물질이동현상	○		3
MSE3025	Solid State Electronic Devices	반도체소자	○		3
MSE4006	Electrochemical Devices	전기화학소자	○		3
MSE4007	Nano-Properties and Synthesis	나노물성 및 합성		○	3
MSE4009	Engineering of Semiconductor Materials	반도체공학		○	3
MSE4012	Kinetics of Solid State Reaction	고체반응론	○		3
MSE4013	Electronic Packaging Materials	전자패키지재료	○		3

## College of Engineering

# Energy Resource Engineering

# 에너지자원공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ENR3101	Energy Resources Management	에너지자원경영	○		3
ENR3103	Geostatistics	지구통계학	○		3
ENR3201	Economic Geology	광상학	○		3
ENR3202	Rock mechanics and Laboratory	암석역학 및 실험	○		4
ENR4201	Blasting and excavation engineering	발파 및 굴착공학	○		3
ENR4206	Environmental Geotechnology	지반환경	○		3
ENR4302	Reservoir Engineering	저류공학	○		3
ENR4303	Geophysical data processing	지구물리자료처리	○		3
ENR3301	Petroleum Engineering and Experiment	석유공학 및 실험	○		4
ENR4301	Petroleum Production Engineering	석유생산공학	○		3
ENR2301	Petroleum Geology	석유지질		○	3
ENR3205	Resources development environment	자원개발 환경		○	3
ENR3302	Well Logging	물리검층		○	3
ENR3303	Drilling engineering	시추공학		○	3
ENR3304	Seismic Exploration	탄성파 탐사		○	3
ENR4103	Energy Policy	에너지정책		○	3
ENR4204	Geochemistry and Geochemical Exploration	지구화학 및 탐사		○	3
ENR4205	Tunnel and underground space engineering	터널 및 지하공간공학		○	3
ENR4304	Unconventional Energy Resources(Capstone Design)	비전통에너지자원		○	3
ENR2104	Energy Resources Economics	에너지자원경제		○	3
ENR3203	Mineral Processing Technology	광물자원처리		○	3
ENR3204	Mining Engineering	자원개발공학		○	3
ENR4305	Oil Property Evaluation	석유자원평가		○	3
ENR4203	Capstone Design in Mine	자원개발종합설계		○	3



## College of Engineering

### Naval Architecture & Ocean Eng.

### 조선해양공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
NOE1011	Int. to Naval Architecture & Ocean Eng	조선해양공학개론	○		3
NOE3101	Resistance	저항론	○		3
NOE3405	Dynamics of Ocean Mooring System	해양계류시스템동역학	○		3
NOE4301	Basic theory of finite element analysis	기초유한요소해석	○		3
NOE4306	Heat Transfer	열전달	○		3
NOE2004	Fluid Mechanics	유체역학		○	3
NOE3108	Propulsion	추진론		○	3
NOE3403	Engineering of Offshore Structures	해양플랜트공학		○	3
NOE3404	Coastal and Ocean Engineering	해안해양공학		○	3
NOE4201	CAE Practices for Marine Structures	조선해양CAE활용		○	3
NOE4405	Design of Marine Pipeline	해저관로설계		○	3
NOE4308	Design of Outfitting Equipment and CAD Exercises	조선해양의장설계 및 실습		○	3

## College of Engineering

# Chemical Engineering

# 화학공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
CHE2107	Materials Science	재료과학 1	○		3
CHE3204	Chemical Engineering Thermodynamics	화공열역학		○	3
CHE3201	Chemical Reaction Engineering	화학반응공학	○		3
CHE4201	Process Control	공정제어		○	3
CHE4308	Polymer Chemistry	고분자 화학	○		3
CHE4307	Physical Properties of Polymers	고분자물성		○	3
CHE4304	Nano Engineering	나노공학		○	3
CHE4204	Catalyst Engineering	촉매공학	○		3

College of Engineering

Environmental Engineering

환경공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ENV3108	Industrial wastewater treatment Design	산업폐수처리		○	3
ENV3201	Atmospheric Environment	대기환경학	○		3
ENV4403	Design of soil and groundwater remediation	토양 및 지하수복원설계	○		3
ENV3206	Environmental Energy Engineering	환경에너지공학	○		3
ENV3110	Physicochemical Water Treatment	물리화학적수처리	○		3
ENV3111	Biological Water Treatment	생물학적수처리		○	3
ENV2007	Basic Calculation in Environmental Engineering	환경공학계산	○		3

College of Engineering

Electrical Engineering

전기공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
EEE2001	Engineering Circuit Analysis 1	회로이론1	○		3
EEE2002	Engineering Circuit Analysis 2	회로이론2		○	3
EEE2005	Digital Logic Circuits	디지털논리회로		○	3
EEE3004	Electrical & Electronic measurements	전기전자계측		○	3
EEE3114	Automatic Control	자동제어	○		3
EEE3102	Control System Capstone Design	제어시스템설계		○	3
EEE3105	Computer Control	컴퓨터제어		○	3
EEE3106	Computer Architecture	컴퓨터구조론	○		3
EEE3108	Sensor Engineering	센서공학	○		3
EEE3109	Embedded System Design	임베디드시스템 설계		○	3
EEE3113	Motor Control(Capstone Design)	모터제어	○		3
EEE3206	Electronic Display	전자디스플레이		○	3
EEE3306	Motor Application	전력전자응용		○	3
EEE3318	High Voltage Engineering	고전압공학		○	3
EEE3319	Energy Conversion	에너지변환	○		3

## College of Engineering

# Electronic Engineering

# 전자공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ECE2250	Electronic Circuits1	전자회로1		○	3
ECE3312	Communication System	통신시스템		○	3
ECE3314	Data Structure	데이터구조	○		3
ECE3320	Signal and System	신호및시스템	○		3
ECE3325	Operating System	운영체제		○	3
ECE3350	Probability and Statistics	확률및통계	○	○	3
ECE3410	Radio Wave Engineering	전파공학		○	3
ECE4325	Video System Capstone Design	영상시스템설계	○		4
ECE4343	Analog Circuit Capstone Design	아날로그회로설계	○		4
ECE4401	Introductory Digital Signal Processing	디지털신호처리개론		○	3
ECE4413	Mobile Communications	이동통신		○	3
ECE4422	Photoelectronics Engineering	광전자		○	3
ECE4430	Fundamentals of RFIC Design	기초 RFIC 설계	○		3
ECE4466	VLSI Capstone Design and Project	VLSI설계및프로젝트실습	○		4

## College of Engineering

### Information & Communication Eng.

### 정보통신공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ICE1001	Introductory Information & Communication	정보통신입문	○		3
ICE3001	Signals and Systems	신호및시스템		○	3
ICE3013	System Programming	시스템프로그래밍	○		3
ICE3014	Operating System	오퍼레이팅시스템		○	3
ICE4020	Information Security	정보보호론		○	3
ICE4026	Information and Coding Theory	정보및부호화이론		○	3
ICE3004	Semiconductor Devices	반도체소자	○		3
ICE2002	Engineering Circuits Analysis	회로이론	○		3
ICE3005	Electronics Circuits 2	전자회로2	○		3
ICE4027	Digital Image Processing and Design	디지털영상처리설계	○		4
ICE2003	Electromagnetics 1	전자기학1	○		3

## College of Natural Sciences

# Physics

# 물리학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
PHY2016	Electromagnetism	전자기학		○	3
PHY2111	Classical Mechanics	일반역학	○		3
PHY2112	Advanced Classical Mechanics and Lab.	고급역학 및 실습		○	3
PHY2203	Mathematics for Physics	물리수학	○		3
PHY2204	Mathematical Physics I	수리물리학1		○	3
PHY3006	Theory of Relativity	상대성이론		○	3
PHY3604	Physics with coding exercise	물리와 코딩 및 실습	○		3
PHY4011	Advanced Thermodynamics and Statistical Mechanics and Lab.	고급 열및통계역학 및 실습	○		3
PHY4613	Physics of Complex Systems and Lab.	복잡계물리학및실습	○		3
PHY4309	Applied Photonic Science	광자응용광학	○		3
PHY4404	Semiconductor Physics	반도체물리학	○		3
PHY4406	Advanced Solid State Physics	첨단물성물리학		○	3
PHY4501	Nuclear Physics	핵물리학	○		3
PHY4604	Biophysics	생물물리학		○	3
PHY4605	Physics and Numerical Anlysis Lab	물리학 수치해석 및 실습		○	3
PHY4502	Particle Physics	입자물리학		○	3

## College of Natural Sciences

### Ocean Sciences

### 해양과학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
OCN2502	Introduction to Marine Benthology	해양저서생물학입문 및 실험		○	3
OCN3504	Marine Invertebrate Zoology and Lab	해양무척추동물의 다양성 및 실험	○		3
OCN4509	Estuarine Ecology and Lab	하구생태학 및 실험	○		3
OCN4213	Sequence of strata andPaleo-depositionalenvironmentsandLab	층서학 및 실험		○	3
OCN2202	Coastal Geomorphology and Lab	해저지형학 및 실험	○		3
OCN3203	Sedimentology and Lab	퇴적학 및 실험	○		3
OCN4212	Coastal Sedimentary Environments and Lab	연안퇴적환경론 및 실험	○		3
OCN3305	Introduction to Ocean Circulation	해양순환개론		○	3
OCN2302	Marine Meteorolgy	해양기상학	○		3
OCN3310	Environmental Fluid Mechanics for Ocean Science1	해양환경유체역학 및 실험1		○	3
OCN4308	Estuarine and Coastal Hydrodynamics	하구 및 연안물리학		○	3
OCN3206	Coastal Sediment Dynamics and Lab	연안퇴적역학 및 실험		○	3
OCN4407	Isotope geochemistry	동위원소지화학		○	3
OCN4512	Marine Animal Behavior and Lab.	해양동물행동학 및 실험		○	3
OCN3307	Numerical analysis and programming for ocean science	해양수치해석 및 프로그래밍		○	3
OCN4310	Environmental Fluid Mechanics for Ocean Science2	해양환경유체역학 및 실험2	○		3



College of Business Administration

Business Administration

경영학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
BUS2101	Financial Management	재무관리	○	○	3
BUS2201	Organizational Behavior	조직행동		○	3
BUS2301	Financial Accounting	재무회계	○		3
BUS2401	Operations Management	오퍼레이션스 매니지먼트	○		3
BUS2501	Principles of Marketing	마케팅 원론		○	3
BUS3201	leadership	리더십	○		3
BUS3204	Human Resource Management	인적자원관리		○	3
BUS3203	Business Strategy	경영전략		○	3
BUS3701	CSR Strategy&Cases	CSR경영전략과 사례	○		3
BUS4201	International Business	국제경영	○		3

College of Business Administration

Global Finance and Banking

글로벌금융학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
BUS2101	Financial Management	재무관리		○	3
GFB2101	Macroeconomics	미시경제	○		3
GFB2401	Financial Market	금융시장론		○	3
GFB3201	Financial Derivatives	파생상품	○		3
GFB3401	Financial institution management	금융기관경영	○		3
GFB3403	Money and Banking	화폐금융	○		3
GFB3405	International Finance and Banking	국제금융		○	3

## College of Business Administration

# Logistics

# 아태물류학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
APL4517	Demand Forecasting Methods and Practice	수요예측	○		3
APL3510	Cost-Benefit Analysis on Logistics Issues	물류투자분석		○	3
APL2103	Global Logistics Management	국제물류론	○		3
APL4315	Technology Management in Logistics	물류기술경영		○	3
APL2202	Manufacturing Logistics	제조물류		○	3
APL3304	Airline Service Management	물류네트워크 분석	○		3
APL3306	Logistics Information System	물류정보시스템		○	3
APL2505	Environmental Logistics	환경물류론		○	3
APL3308	Logistics Simulation	물류시뮬레이션	○		3

## College of Education

# English Language Education

# 영어교육

Course Number	Course Title		Spring Semester	Fall Semester	Credit
EEG3327	English Reading Comprehension 3	영문독해연습3	○		3
EEG1531	Practical English Grammar	실용영문법	○		3
EEG2612	Theories in TEFL	영어교육론(2분반)		○	3
EEG1522	English Reading Comprehension 1	영문독해연습1	○		3
EEG3370	Development of EFL teaching skills	영어과교수능력계발	○		3
EEG4403	English Language Teaching method	영어교수법	○		3
EEG3702	Materials and Methods in TEFL (Capstone Design)	영어과교재연구및지도법(2분반)		○	3
EEG4417	Topics in English Education	영어교육특강		○	3
EEG4402	English process-based assessment	영어과정중심평가	○		3
EEG1512	Introduction to English Education & Career research	영어교육입문및진로탐색		○	3
EEG2602	English Reading Comprehension 2	영문독해연습2(2분반)		○	3
EEG4347	British and American Drama	영미희곡교육	○		3
EEG4804	Reading in English and American Fiction	영미소설교육	○		3
EEG2642	Introduction to English Literature	영문학개론(2분반)		○	3
EEG1521	English Listening Comprehension 1	영어청해연습1	○		3

## College of Social Science

### Economics

### 경제학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ECO1101	Principles of Economics1	경제원론1	○		3
ECO1102	Principles of Economics2	경제원론2		○	3
ECO2201	Microeconomics	미시경제학		○	3
ECO2202	Macroeconomics	거시경제학		○	3
ECO3305	Modern Economics	현대경제학		○	3
ECO3306	The Analytic Study for Economic Problems	경제문제연구	○	○	3
ECO3343	Labour Economics	노동경제학	○(2년에 1회)		3
ECO3381	Economic Development	경제발전론		○(2년에 1회)	3

College of Social Science

Communication & Information

언론정보학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
COM1100	Introduction to Communications	커뮤니케이션학개론		○	3
COM2400	Introduction to Advertising	광고학개론	○	○	3
COM3212	Social Media and Communication	소셜미디어와 커뮤니케이션		○	3
COM3412	Integrated Marketing Communication	통합마케팅 커뮤니케이션		○	3
COM3433	Sales Promotion Strategy	판매촉진전략	○		3
COM2332	Genres in Popular Culture	Genres in Popular Culture		○	3
COM3101	English Readings on Communication	커뮤니케이션 영어원강	○		3
COM3331	Media Narratives	Media Narratives	○		3
COM4331	Gender and Culture Studies	Gender and Culture Studies	○		3
COM4332	Theories of Film and Video	영화비디오 이론		○	3

College of Social Science

Public Administration

행정학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
PAD2214	Reading in Public Administration 1	행정학 원강 I		○	3
PAD2116	Readings in Public Administration 2	행정학 원강 II	○		3
PAD3108	Financial Administration	재무행정론	○		3
PAD2218	Public Sector Problem-Solving Theories	공공문제해결론		○	3
PAD2209	Introduction to Public Policy Studies	정책학원론		○	3
PAD2111	The Public Policy Process:Theory & Practice	정책과정론	○		3
PAD2112	Organizational Theory	조직이론	○		3
PAD3211	Organizational Management and Leadership	조직관리와 리더십		○	3

## College of Humanities

# English Language & Literature

# 영어영문학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ENG2201	Introduction to English Linguistics	영어학개론	○	○	3
ENG2101	Introduction to English Literature	영문학개론	○	○	3
ENG2002	English Discussion & Presentation	영어토론과 프레젠테이션	○	○	3
ENG2003	Advanced English Discussion & Presentation	고급영어토론과 프레젠테이션	○	○	3
ENG2302	Expressive Writing	표현영어글쓰기	○	○	3
ENG2303	Technical Writing	기술영어글쓰기	○	○	3
ENG2103	British & American Short Stories	영미단편소설		○	3
ENG2105	Children's & Young Adult Literature in English	영미아동청소년문학	○		3
ENG3206	English in Societies	사회와 영어		○	3
ENG3311	Analytic Writing	분석영어글쓰기	○	○	3
ENG2006	Media English	미디어영어		○	3
ENG4122	Understanding of the British Commonwealth(Capstone Design)	영연방 세계의 이해		○	3
ENG2306	Cultural Archetype and Media	문화원형과미디어		○	3



## Arts and Sports

### Kinesiology

### 스포츠과학전공

Course Number	Course Title	Spring Semester	Fall Semester	Credit
KIN2011	Health Education	○		3
KIN1004	Human Anatomy		○	3
KIN2016	Sport Business Administration	○		3
KIN2106	Exercise Physiology		○	3
KIN3016	Profession of Sport in English	○		2
KIN3101	Methodology of Training	○		3
KIN3110	Special Populations and Exercise		○	3
KIN4104	Exercise Therapy	○		3
KIN3108	Evaluation of Sports InjuriesⅡ		○	3
KIN1101	Growth & Aging	○		3
KIN3208	Sports Marketing		○	3
KIN3209	SportsBusiness English		○	2
KIN4103	Pothological Physiology	○		3