



Course Name(ENG)	Credits	No of Students	Course Type	Department	Major
INSURANCE ACTUARIAL MODELING1	3	30	Extended Major	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)
Fundamentals of Microbiology	3	33	Core Major	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)
Web Design I	3	20	Compulsory Major	DEPARTMENT OF COMMUNICATION DESIGN(Y0000993)	DEPARTMENT OF COMMUNICATION DESIGN(Y0000993)
CASE STUDY OF CULTURAL CONTENT BUSINESS	3	30	Extended Major	DEPARTMENT OF CULTURE CONTENTS(Y0000453)	DEPARTMENT OF CULTURE CONTENTS(Y0000453)
English Immersive IC-PBL Strategies	3	30	Extended Major	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
Electronic materials laboratory	1	40	Core Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
LOGISTICS SYSTEMS DESIGN 2	3	55	Extended Major	DEPARTMENT OF TRANSPORTATION AND LOGISTICS ENGINEERING(Y0000389)	DEPARTMENT OF TRANSPORTATION AND LOGISTICS ENGINEERING(Y0000389)
Artificial Intelligence	3	27	Extended Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
Artificial Intelligence	3	30	Extended Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
Embedded Software Design	3	30	Extended Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
ADVANCED LEVEL JAPANESE CONVERSATION2	3	25	Core Major	DEPARTMENT OF JAPANESE STUDIES(Y0001180)	DEPARTMENT OF JAPANESE STUDIES(Y0001180)
MULTIMEDIA JAPANESE 1	3	25	Core Major	DEPARTMENT OF JAPANESE STUDIES(Y0001180)	DEPARTMENT OF JAPANESE STUDIES(Y0001180)
Recruit Japanese	3	20	Extended Major	DEPARTMENT OF JAPANESE STUDIES(Y0001180)	DEPARTMENT OF JAPANESE STUDIES(Y0001180)
Advanced English Conversation	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
TED Talks English	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
Communication Rhetoric	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)



ORAL PRESENTATION SKILLS FOR NON-NATIVE SPEAKERS	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
Professional Writing	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
Professional Writing	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
Professional Writing	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
Advanced English Conversation	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
Advanced English Conversation	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
Advanced English Conversation	2	40	General Studies	CENTER FOR CREATIVE CONVERGENCE EDUCATION(Y0001119)	CENTER FOR CREATIVE CONVERGENCE EDUCATION (ENGLISH EDUCATION COMMITTEE)(Y0001121)
FINANCIAL MANAGEMENT	3	50	Core Major	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)
ACTUARIAL MATHEMATICS	3	40	Compulsory Major	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)
ADVANCED LOSS MODELS	3	30	Extended Major	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)
FINANCIAL ENGINEERING2	3	35	Extended Major	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)
MODELING FOR ACTUARY	3	30	Extended Major	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)	DEPARTMENT OF ACTUARIAL SCIENCE(Y0000968)
AD/PR and Society	3	40	Core Major	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)
INTERNATIONAL COMMUNICATION	3	30	Extended Major	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)
RESEARCH METHODS IN ADVERTISING AND PUBLIC RELATIONS	3	40	Compulsory Major	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)



INTERNATIONAL COMMUNICATION	3	30	Extended Major	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)
AD/PR and Society	3	40	Core Major	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)	DEPARTMENT OF ADVERTISING & PUBLIC RELATIONS(Y0001066)
Electromagnetism 1	3	50	Compulsory Major	DEPARTMENT OF APPLIED PHYSICS(Y0001175)	DEPARTMENT OF APPLIED PHYSICS(Y0001175)
Mathematical Physics 2	3	50	Extended Major	DEPARTMENT OF APPLIED PHYSICS(Y0001175)	DEPARTMENT OF APPLIED PHYSICS(Y0001175)
Advanced Quantum Physics	3	40	Core Major	DEPARTMENT OF APPLIED PHYSICS(Y0001175)	DEPARTMENT OF APPLIED PHYSICS(Y0001175)
Analytical Mechanics	3	50	Core Major	DEPARTMENT OF APPLIED PHYSICS(Y0001175)	DEPARTMENT OF APPLIED PHYSICS(Y0001175)
CONDENSED MATTER PHYSICS 2	3	50	Extended Major	DEPARTMENT OF APPLIED PHYSICS(Y0001175)	DEPARTMENT OF APPLIED PHYSICS(Y0001175)
Semiconductor Physics & Process	3	40	Extended Major	DEPARTMENT OF APPLIED PHYSICS(Y0001175)	DEPARTMENT OF APPLIED PHYSICS(Y0001175)
RELATIVITY AND COSMOLOGY	3	50	Extended Major	DEPARTMENT OF APPLIED PHYSICS(Y0001175)	DEPARTMENT OF APPLIED PHYSICS(Y0001175)
General Biology 2	3	30	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)
Polymer Engineering	3	40	Extended Major	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)
Nanomedicine	3	45	Extended Major	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)
Biothermodynamics	3	40	Extended Major	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)
Bioengineering Mathematics 2	3	33	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)
Bioorganic chemistry 2	3	33	Core Major	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)	DEPARTMENT OF BIONANO ENGINEERING(Y0000388)
Quantitative Chemical Analysis 2	3	70	Core Major	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)
APPLIED ORGANIC CHEMISTRY II	3	70	Core Major	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)
Polymer Chemistry	3	42	Extended Major	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)



Pharmaceutical Chemistry	3	42	Extended Major	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)
Environment and Energy Analysis	3	50	Extended Major	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)
Quantum Chemistry	3	120	Compulsory Major	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)
General Chemistry 2	3	50	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)	DEPARTMENT OF CHEMICAL AND MOLECULAR ENGINEERING(Y0001178)
Statically Indeterminate Structures	3	40	Extended Major	DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING(Y0001155)	DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING(Y0001155)
Reinforced Concrete Engineering	3	50	Core Major	DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING(Y0001155)	DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING(Y0001155)
Probability & Statistics	3	50	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING(Y0001155)	DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING(Y0001155)
Environment and Culture	3	40	Core Major	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)
Seminar on Cultural Anthropology	3	40	Extended Major	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)
SPACE AND CULTURE	3	30	Extended Major	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)
Anthropology of Tourism	3	30	Extended Major	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)
INTRODUCTION TO MINORITY ETHNIC GROUPS	3	30	Core Major	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)	DEPARTMENT OF CULTURAL ANTHROPOLOGY(Y0000467)
BUSINESS IN CULTURAL CONTENTS	3	45	Core Major	DEPARTMENT OF CULTURE CONTENTS(Y0000453)	DEPARTMENT OF CULTURE CONTENTS(Y0000453)
UNDERSTANDING ENGLISH SENTENCE STRUCTURE	3	29	Core Major	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
BRITISH SOCIETY THROUGH MODERN NOVELS	3	30	Extended Major	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)



English Composition	3	26	Extended Major	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
Audio-Visual English 2	3	30	Extended Major	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
Audio-Visual English 2	3	30	Extended Major	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
English Conversation 2	3	30	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
English Conversation 2	3	30	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
BRITISH SOCIETY AND LITERATURE 2	3	30	Extended Major	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
English Grammar 2	3	30	Extended Major	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
YouTube English	2	40	General Studies	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
Global Issues	2	40	General Studies	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
UNDERSTANDING BRITISH AND AMERICAN CULTURES	2	80	Core General Studies	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)	DEPARTMENT OF ENGLISH LANGUAGE & CULTURE(Y0000455)
Storytelling & Contents Design	3	25	Extended Major	DEPARTMENT OF ENTERTAINMENT DESIGN(Y0000994)	DEPARTMENT OF ENTERTAINMENT DESIGN(Y0000994)
Basic French	2	40	Core General Studies	DEPARTMENT OF FRENCH STUDIES(Y0001181)	DEPARTMENT OF FRENCH STUDIES(Y0001181)
Basic French	2	40	Core General Studies	DEPARTMENT OF FRENCH STUDIES(Y0001181)	DEPARTMENT OF FRENCH STUDIES(Y0001181)
RISK AND RELIABILITY ENGINEERING	3	55	Core Major	DEPARTMENT OF INDUSTRIAL AND MANAGEMENT ENGINEERING(Y0000387)	DEPARTMENT OF INDUSTRIAL AND MANAGEMENT ENGINEERING(Y0000387)



Design of Experiments	3	55	Core Major	DEPARTMENT OF INDUSTRIAL AND MANAGEMENT ENGINEERING(Y0000387)	DEPARTMENT OF INDUSTRIAL AND MANAGEMENT ENGINEERING(Y0000387)
Special Semina in Sociology	3	20	Extended Major	DEPARTMENT OF INFORMATION SOCIOLOGY(Y0000489)	DEPARTMENT OF INFORMATION SOCIOLOGY(Y0000489)
Information Sociology Project	3	20	Extended Major	DEPARTMENT OF INFORMATION SOCIOLOGY(Y0000489)	DEPARTMENT OF INFORMATION SOCIOLOGY(Y0000489)
Sociology of Globalization	3	20	Core Major	DEPARTMENT OF INFORMATION SOCIOLOGY(Y0000489)	DEPARTMENT OF INFORMATION SOCIOLOGY(Y0000489)
System Design	3	20	Extended Major	DEPARTMENT OF INTEGRATIVE ENGINEERING(Y0000983)	DEPARTMENT OF INTEGRATIVE ENGINEERING(Y0000983)
Korea and Japan in the World	3	30	Extended Major	DEPARTMENT OF JAPANESE LANGUAGE & CULTURE(Y0000478)	DEPARTMENT OF JAPANESE LANGUAGE & CULTURE(Y0000478)
Understanding Modern Society of Japan	3	30	Extended Major	DEPARTMENT OF JAPANESE LANGUAGE & CULTURE(Y0000478)	DEPARTMENT OF JAPANESE LANGUAGE & CULTURE(Y0000478)
COMMERCIAL JEWELRY	3	29	Core Major	DEPARTMENT OF JEWELRY & FASHION DESIGN(Y0000990)	DEPARTMENT OF JEWELRY & FASHION DESIGN(Y0000990)
MEASUREMENT AND STATISTICAL METHOD FOR COMMUNICATION STUDIES	3	30	Core Major	DEPARTMENT OF JOURNALISM & MASS COMMUNICATION(Y0000488)	DEPARTMENT OF JOURNALISM & MASS COMMUNICATION(Y0000488)
Marine Environmental Ecotoxicology	3	35	Core Major	DEPARTMENT OF MARINE SCIENCE AND CONVERGENCE ENGINEERING(Y0001179)	DEPARTMENT OF MARINE SCIENCE AND CONVERGENCE ENGINEERING(Y0001179)
Metallography	3	60	Extended Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Thermodynamics 1	3	60	Compulsory Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Materials Science 2	3	45	Core Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Materials Science 2	3	45	Core Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Ferrous Metallic Materials	3	50	Core Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Semiconductor Processing	3	30	Extended Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)



Engineering Mathematics 2	3	60	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Molecular Spectroscopy	3	60	Extended Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Separation Process	3	60	Core Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Basic Biology	3	80	Extended Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
HEAT AND MASS TRANSFER	3	55	Core Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Cell Chemistry	3	70	Extended Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
HEAT AND MASS TRANSFER	3	55	Core Major	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)	DEPARTMENT OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING(Y0001084)
Statics	3	55	Core Major	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)
Engineering Mathematics 3	3	50	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)
Engineering Mathematics 3	3	50	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)
DESIGN APPLICATION OF SOLID MECHANICS	3	40	Compulsory Major	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)
Dynamics	3	50	Compulsory Major	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)
Advanced Thermodynamics Design	3	50	Compulsory Major	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)
DESIGN APPLICATION OF SOLID MECHANICS	3	50	Compulsory Major	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)	DEPARTMENT OF MECHANICAL ENGINEERING(Y0000386)

Linear Algebra	3	25	Core Major	DEPARTMENT OF MILITARY INFORMATION ENGINEERING(Y0001030)	DEPARTMENT OF MILITARY INFORMATION ENGINEERING(Y0001030)
Computer Networks	3	30	Extended Major	DEPARTMENT OF MILITARY INFORMATION ENGINEERING(Y0001030)	DEPARTMENT OF MILITARY INFORMATION ENGINEERING(Y0001030)
Virology	3	54	Extended Major	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)
Cancer Biology	3	54	Extended Major	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)
Biochemistry 2	3	50	Core Major	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)
Microbiology	3	50	Core Major	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)
Embryology	3	50	Core Major	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)
Signal Transduction	3	50	Core Major	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)	DEPARTMENT OF MOLECULAR AND LIFE SCIENCE(Y0001176)
Nanoelectronics	3	11	Extended Major	DEPARTMENT OF PHOTONICS AND NANO-ELECTRONICS(Y0001177)	DEPARTMENT OF PHOTONICS AND NANO-ELECTRONICS(Y0001177)
Numerical Computation	3	35	Core Major	DEPARTMENT OF ROBOT ENGINEERING(Y0000982)	DEPARTMENT OF ROBOT ENGINEERING(Y0000982)
Daily life Design2	3	20	Extended Major	DEPARTMENT OF TECHNO-PRODUCT DESIGN(Y0000992)	DEPARTMENT OF TECHNO-PRODUCT DESIGN(Y0000992)
LIVINGWARE DESIGN2	3	20	Extended Major	DEPARTMENT OF TECHNO-PRODUCT DESIGN(Y0000992)	DEPARTMENT OF TECHNO-PRODUCT DESIGN(Y0000992)
STORAGE & TRANSHIPMENT IN LOGISTICS SYSTEM	3	50	Extended Major	DEPARTMENT OF TRANSPORTATION AND LOGISTICS ENGINEERING(Y0000389)	DEPARTMENT OF TRANSPORTATION AND LOGISTICS ENGINEERING(Y0000389)
TRAFFIC SIGNAL CONTROL	3	55	Extended Major	DEPARTMENT OF TRANSPORTATION AND LOGISTICS ENGINEERING(Y0000389)	DEPARTMENT OF TRANSPORTATION AND LOGISTICS ENGINEERING(Y0000389)
Operations Research	3	50	Core Major	DEPARTMENT OF TRANSPORTATION AND LOGISTICS ENGINEERING(Y0000389)	DEPARTMENT OF TRANSPORTATION AND LOGISTICS ENGINEERING(Y0000389)
Architectural Design 4	6	12	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)

Architectural Design 4	6	12	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)
Architectural Design 6	6	10	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)
Architectural Design 6	6	10	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)
Architectural Design 8	6	12	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)
STEEL STRUCTURES DESIGN	3	40	Extended Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURAL ENGINEERING(Y0000417)
Architectural Environmental Design	3	40	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURAL ENGINEERING(Y0000417)
REINFORCED CONCRETE DESIGN	3	45	Compulsory Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURAL ENGINEERING(Y0000417)
Building Information Modeling 2	3	40	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)
Architectural Design 4	6	12	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)
Architectural Design 2	6	12	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)
Architectural Planning	3	60	Core Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURE(Y0000416)
Life Insurance	3	40	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Financial Institutions and Markets	3	40	Extended Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Advanced Business Communication	3	50	Extended Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Consumer Behavior	3	35	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Consumer Behavior	3	35	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Consumer Behavior	3	35	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Organization Behavior	3	50	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)



Organization Behavior	3	50	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Advanced Business Communication	3	50	Extended Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Organization Behavior	3	45	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Managerial Accounting2	3	40	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Life Insurance	3	40	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Operations Management	3	40	Core Major	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)	DIVISION OF BUSINESS ADMINISTRATION(Y0000519)
Introduction to System Programming	3	50	Core Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	DIVISION OF COMPUTER SCIENCE(Y0001166)
WEB APPLICATION DEVELOPMENT	4	70	Core Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
Computer Graphics	3	30	Extended Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
Design & Analysis of Algorithms	3	60	Compulsory Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
Numerical Analysis	3	60	Core Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
WEB APPLICATION DEVELOPMENT	4	70	Core Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
Design & Analysis of Algorithms	3	60	Compulsory Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
Numerical Analysis	3	60	Core Major	DIVISION OF COMPUTER SCIENCE(Y0001166)	MAJOR IN COMPUTER(Y0001167)
Principles of Economics 2	3	55	(Compulsory) Requirement in Fundamental Studies	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
Understanding The Korean Economy	3	75	Extended Major	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
Game Theory	3	50	Core Major	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
Labor Economics	3	71	Core Major	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)



International Economics	3	50	Core Major	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
International Economics	3	30	Core Major	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
Macroeconomics 2	3	60	Core Major	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
ECONOMIC THEORY OF GLOBAL REGIONS	3	30	Extended Major	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
Mathematics for Economics	3	40	(Compulsory) Requirement in Fundamental Studies	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
Principles of Economics 2	3	35	(Compulsory) Requirement in Fundamental Studies	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
FINANCIAL ECONOMICS	3	60	Core Major	DIVISION OF ECONOMICS(Y0000517)	DIVISION OF ECONOMICS(Y0000517)
Electromagnetism 2	3	50	Core Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
Linear Algebra	3	50	Core Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
Digital Signal Processing	3	60	Extended Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
Data Structures	3	35	Core Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
INTRODUCTION OF IMAGE PROCESSING	3	30	Extended Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
CIRCUIT THEORY 2	3	50	Compulsory Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
PHYSICAL ELECTRONICS	3	50	Core Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
Digital Signal Processing	3	60	Extended Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
Algorithm and Application	3	30	Extended Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
CONTROL SYSTEM ENGINEERING 2	3	45	Extended Major	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)	DIVISION OF ELECTRICAL ENGINEERING(Y0001083)
English for Engineering	3	41	Core Major	DIVISION OF SMART CONVERGENCE ENGINEERING(Y0001250)	MAJOR IN MATERIALS CONVERGENCE ENGINEERING(Y0001251)
English for Engineering	3	42	Core Major	DIVISION OF SMART CONVERGENCE ENGINEERING(Y0001250)	MAJOR IN MATERIALS CONVERGENCE ENGINEERING(Y0001251)

English for Engineering	3	41	Core Major	DIVISION OF SMART CONVERGENCE ENGINEERING(Y0001250)	MAJOR IN MATERIALS CONVERGENCE ENGINEERING(Y0001251)
Health Education	2	86	Core Major	DIVISION OF SPORT SCIENCE(Y0001111)	DIVISION OF SPORT SCIENCE(Y0001111)
Management of Sports	3	40	Core Major	DIVISION OF SPORT SCIENCE(Y0001111)	MAJOR IN SPORT CULTURE(Y0001112)
PHYSICAL EDUCATION FOR CHILDREN AND THE AGED	2	40	Extended Major	DIVISION OF SPORT SCIENCE(Y0001111)	MAJOR IN SPORT COACHING(Y0001113)
Global leader training2	2	40	General Studies	ERICA(EDUCATION-RESEARCH-INDUSTRY CLUSTER @ ERICA)(Y0000319)	ERICA(EDUCATION-RESEARCH-INDUSTRY CLUSTER @ ERICA)(Y0000319)
Programming 1	3	30	Compulsory Major	INTERDISCIPLINARY STUDIES(Y0000708)	MAJOR IN SOFTWARE FOR EMERGING TECHNOLOGY(Y0001190)
Methodology for Machine Learning	3	30	Extended Major	DEPARTMENT OF ROBOT ENGINEERING(Y0000982)	DEPARTMENT OF ROBOT ENGINEERING(Y0000982)
Soil Mechanics	3	45	Core Major	DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING(Y0001155)	DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING(Y0001155)
Basic Japanese 2	3	20	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF JAPANESE STUDIES(Y0001180)	DEPARTMENT OF JAPANESE STUDIES(Y0001180)
Basic Japanese 2	3	20	(Compulsory) Requirement in Fundamental Studies	DEPARTMENT OF JAPANESE STUDIES(Y0001180)	DEPARTMENT OF JAPANESE STUDIES(Y0001180)
The Francophone Literature	3	25	Extended Major	DEPARTMENT OF FRENCH STUDIES(Y0001181)	DEPARTMENT OF FRENCH STUDIES(Y0001181)
ARGUMENTATIVE WRITING IN FRENCH	2	10	Extended Major	DEPARTMENT OF FRENCH STUDIES(Y0001181)	DEPARTMENT OF FRENCH STUDIES(Y0001181)
INTERMEDIATE-LEVEL JAPANESE CONVERSATION 2	3	20	Core Major	DEPARTMENT OF JAPANESE STUDIES(Y0001180)	DEPARTMENT OF JAPANESE STUDIES(Y0001180)
French Conversation First Level 2	3	30	Core Major	DEPARTMENT OF FRENCH STUDIES(Y0001181)	DEPARTMENT OF FRENCH STUDIES(Y0001181)
Basic French Conversation	2	15	(Compulsory) Requirement in	DEPARTMENT OF FRENCH STUDIES(Y0001181)	DEPARTMENT OF FRENCH STUDIES(Y0001181)



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			Fundamental Studies		
French Conversation Middle Level 2	3	22	Extended Major	DEPARTMENT OF FRENCH STUDIES(Y0001181)	DEPARTMENT OF FRENCH STUDIES(Y0001181)
INTERMEDIATE-LEVEL JAPANESE CONVERSATION 2	3	20	Core Major	DEPARTMENT OF JAPANESE STUDIES(Y0001180)	DEPARTMENT OF JAPANESE STUDIES(Y0001180)
BUSINESS JAPANESE	3	30	Extended Major	DEPARTMENT OF JAPANESE LANGUAGE & CULTURE(Y0000478)	DEPARTMENT OF JAPANESE LANGUAGE & CULTURE(Y0000478)
Advanced Chinese Conversation	3	20	Core Major	DEPARTMENT OF CHINESE STUDIES(Y0000454)	DEPARTMENT OF CHINESE STUDIES(Y0000454)
Korean Wave and Korean Culture	2	80	Core General Studies	DEPARTMENT OF CULTURE CONTENTS(Y0000453)	DEPARTMENT OF CULTURE CONTENTS(Y0000453)
Seminar of Francophone Culture 2	3	25	Extended Major	DEPARTMENT OF FRENCH LANGUAGE & CULTURE(Y0000475)	DEPARTMENT OF FRENCH LANGUAGE & CULTURE(Y0000475)
CONSTRUCTION CONTRACT AND MANAGEMENT	3	40	Extended Major	DIVISION OF ARCHITECTURE(Y0000415)	MAJOR IN ARCHITECTURAL ENGINEERING(Y0000417)
INTRODUCTION TO DIFFERENTIAL GEOMETRY	3	40	Extended Major	DEPARTMENT OF APPLIED MATHEMATICS(Y0001174)	DEPARTMENT OF APPLIED MATHEMATICS(Y0001174)