

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
GCS10001	Introduction to Programming	2	Spring	○		○	
GCS10002	Introduction to ICT Application	2	Spring	○		○	
GCS10003	Web Programming	3	Fall		○		
GCS10004	Python Programming	3	Fall		○		○
GCS10008	English Pre-Course 1	3	Spring	○		○	
GCS10009	English Pre-Course 2	3	Fall		○		○
GCS10013	Discussion and Presentation	3	Spring, Fall		○	○	
GCS10018	Biomedical Ethics	3	Spring	○		○	
GCS10052	English Foundation	3	Spring, Fall	○	○	○	○
GCS10053	English Communication	3	Spring, Fall	○	○	○	○
GCS10054	Korean 1	3	Spring, Fall	○	○	○	○
GCS10055	Korean 2	3	Spring, Fall	○	○	○	○
GCS10056	Korean 3	3	Spring, Fall	○	○	○	○
GCS10057	Korean 4	3	Spring, Fall	○	○	○	○
GCS20003	English Reading and Composition	3	Spring, Fall	○	○	○	○
GCS20006	Database Application	2	Fall		○		
GCS20011	English Composition	3	Spring, Fall	○	○	○	
GCS20054	Korean 5	3	Spring, Fall	○	○	○	○
GCS20055	Korean 6	3	Spring, Fall	○	○	○	○
GCS30015	EAP-Information Technology	3	Spring, Fall	○	○		
GCS30016	EAP-Humanities	3	Spring, Fall	○	○	○	○
GCS30017	EAP-Sciences	3	Spring, Fall	○	○	○	○
GCS40001	Essentials of English Communication	3	Spring, Fall	○	○	○	○
GEE10001	English Chapel 1	0	Spring, Fall	○	○	○	○
GEE10002	English Chapel 2	0	Spring, Fall	○	○	○	○
GEE20001	English Chapel 3	0	Spring, Fall	○	○	○	○
GEE20002	English Chapel 4	0	Spring, Fall	○	○	○	○
GEE30001	English Chapel 5	0	Spring, Fall	○	○	○	○
GEE30002	English Chapel 6	0	Spring, Fall	○	○	○	○
GEE30023	Developing Leadership for a Global World	3	Spring, Fall	○	○	○	○
GEE40001	English Chapel 7	1	Spring, Fall	○	○	○	○
GEE40002	English Chapel 8	1	Spring, Fall			○	○
GEK10007	Common Readings	1	Spring, Fall	○	○	○	○
GEK10008	Community & Leadership Training 1	0.5	Spring, Fall	○	○	○	○
GEK10009	Community & Leadership Training 2	0.5	Spring, Fall	○	○	○	○
GEK10011	Creation and Evolution	2	Spring, Fall	○	○	○	○
GEK10015	Handong Character-Building	1	Spring, Fall	○	○	○	○
GEK10030	Introduction to Philosophy	3	Spring	○		○	

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
GEK10035	Studies of Korean History	3	Spring, Fall	○	○	○	○
GEK10046	Social Service 1	1	Spring, Fall	○	○	○	○
GEK10053	Differential Equations and Applications	3	Spring, Fall	○	○		○
GEK10057	General Biology	3	Spring, Fall	○	○	○	○
GEK10058	General Chemistry	3	Spring, Fall	○	○	○	○
GEK10081	Engineering Mathematics	3	Fall		○		
GEK10082	Linear Algebra	3	Spring			○	
GEK10095	Calculus 1	3	Spring, Fall	○	○	○	○
GEK10096	Calculus 2	3	Spring, Fall	○			○
GEK10098	Practice of Church Music	2	Spring, Fall	○	○	○	○
GEK10103	Understanding Korean Social Structure and Culture	3	Spring, Fall	○			○
GEK10104	Globalization and Korean Popular Culture	3	Spring, Fall	○			○
GEK20008	Community & Leadership Training 3	0.5	Spring, Fall	○	○	○	○
GEK20009	Community & Leadership Training 4	0.5	Spring, Fall	○	○	○	○
GEK20011	Towards a Christian Worldview	2	Spring, Fall	○	○	○	○
GEK20016	Special Topics in Christian Studies	3	Spring			○	
GEK20019	Understanding History of Church	3					
GEK20028	Human Relationship & Self Growth	3	Spring, Fall	○	○	○	○
GEK20035	Intergration of Faith and Learning	3	Spring	○		○	
GEK20042	Introduction to Studies in Education	3	Spring, Fall	○	○	○	○
GEK20043	Engineering, Faith, Ethics	3	Fall		○		○
GEK20046	Social Service 2	1	Spring, Fall	○	○	○	○
GEK20047	Social Service 3	1	Spring, Fall	○	○	○	○
GEK20051	Mission Perspective	2	Spring, Fall	○	○	○	
GEK20055	Statistical Methods	3	Spring	○		○	
GEK20058	Understanding the Bible	2	Spring, Fall	○	○	○	○
GEK20059	Understanding Christianity	2	Spring, Fall	○	○	○	○
GEK20069	Christians and the Mission of God	2	Fall				○
GEK20074	Creative Learning 2	8	Spring	○			
GEK30008	Community & Leadership Training 5	0.5	Spring, Fall	○	○	○	○
GEK30009	Community & Leadership Training 6	0.5	Spring, Fall	○	○	○	○
GEK30014	Christianity and Modern thoughts	3	Spring, Fall	○	○		○
GEK30030	Philosophy of Science and Technology	3	Fall		○		
GEK30045	Contemporary Society and Woman	3	Fall				○
GEK30047	Social Service 4	1	Spring, Fall	○	○	○	○
GEK40008	Community & Leadership Training 7	0.5	Spring, Fall	○	○	○	○
GEK40009	Community & Leadership Training 8	0.5	Spring, Fall	○	○	○	○

<b>Code</b>	<b>Name</b>	<b>Credits</b>	<b>Semester</b>	<b>22-1</b>	<b>22-2</b>	<b>23-1</b>	<b>23-2</b>
BFT20003	Biochemistry 1	3	Fall				○
BFT20004	Seminar 1	1	Fall		○		○
BFT20011	Molecular Biology 1	3	Fall		○		○
BFT30004	Seminar 2	1	Spring	○		○	
BFT30006	Cell Biology	3	Spring, Fall	○	○		
BFT30007	Development Biology	3	Spring, Fall		○	○	○
BFT30009	Seminar 3	1	Fall		○		○
BFT30016	Physiology	3	Spring	○		○	
BFT30057	Systems Biology	3	Spring	○		○	
BFT30062	Bioinformatics	3	Fall		○		○
BFT30063	Applied Genomics	3	Fall		○		
BFT30064	Bio Data Analytics	3	Spring	○		○	
BFT30066	Cancer Biology	3	Fall		○		○
BFT40001	Immunology	3	Spring	○		○	
BFT40002	Seminar 4	1	Spring, Fall	○	○	○	○
BFT40005	Immunology Lab	1	Fall		○		
BFT40012	Genetics	3	Spring	○		○	
BFT40013	Molecular Biology2	3	Spring, Fall	○	○	○	
BFT40014	Cell Biology2	3	Spring, Fall	○	○	○	
BFT40015	Molecular Immunology	3	Spring, Fall	○	○		○
BFT40016	English Scientific Research Report	2	Fall		○		○

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
ISE10002	Introduction to Linguistics	3	Spring	○		○	
ISE10022	Understanding Literature: Reading, Reacting, Writing	3	Fall		○		○
ISE10051	Politics	3	Spring	○			
ISE10052	Introduction to International Relations	3	Spring, Fall	○	○	○	○
ISE20039	Syntactic Analysis of Modern English	3	Spring	○		○	
ISE20042	Culture and Literature in the Global Context	3	Spring, Fall	○	○	○	
ISE20052	International Organization	3	Fall		○		○
ISE20074	On Korean Politics	3	Spring	○		○	
ISE20083	Introduction to Intercultural Studies	3	Fall		○		○
ISE20086	Philosophical Foundations of Politics	3	Spring	○			
ISE20087	Understanding American Society	3	Spring	○		○	
ISE30005	Children's Literature	3	Fall				○
ISE30015	Introduction to TESOL	3	Spring	○		○	
ISE30016	TESOL Methodology	3	Fall		○		○
ISE30032	English Speech	3	Fall		○		○
ISE30081	US Foreign Policies	3	Spring	○			
ISE30082	Peace and Security Studies	3	Fall		○		○
ISE30092	Themes in Fiction	3	Spring	○			
ISE30093	Themes in Poetry	3	Spring	○		○	
ISE30094	Themes in Drama	3	Fall		○		○
ISE30097	The Structure of Modern English: Sound Patterns	3	Spring	○		○	
ISE30098	Form and Meaning in the English Language	3	Fall		○		
ISE40075	International Negotiation	3	Spring	○			
ISE40085	Senior Seminar	3	Spring, Fall	○	○	○	○
ISE40087	Topics in TESOL	3	Spring	○		○	
ISE40088	Senior Seminar2	3	Fall				○

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
GMP10001, MEC10002	Introduction to Management	3	Spring, Fall	0	0	0	0
GMP10003, MEC10001	Introduction to Economics	3	Spring, Fall	0	0	0	0
GMP20002, MEC20054	Marketing	3	Spring, Fall	0	0	0	0
GMP20003, MEC20061	Principles of Accounting	3	Spring, Fall	0	0	0	0
GMP20004, MEC20051	Management Information System	3	Spring, Fall	0	0	0	
GMP20009, MEC20005	Statistics for Economics & Management	3	Spring, Fall	0	0	0	
GMP30001, MEC20059	Organizational Behavior	3	Spring, Fall	0	0	0	0
GMP30002, MEC20058	Financial Management	3	Spring, Fall	0	0	0	0
GMP30004, MEC40055	International Business	3	Spring, Fall	0	0	0	
GMP30007, MEC30066	Cost & Management Accounting	3	Spring, Fall	0	0	0	0
GMP30010, MEC30076	Stewardship and Personal Finance	3	Fall		0		0
GMP40011, MEC30053	Quantitative Analysis for Management	3	Spring	0		0	
GMP40012, MEC30058	Production and Operations Management	3	Spring, Fall	0	0	0	
GMP40013, MEC40092	Capstone Design	3	Spring	0		0	
MEC20001	Microeconomics	3	Fall		0		0
MEC20002	Macroeconomics	3	Spring, Fall	0	0	0	0
MEC20006	Mathematics for Economics	3	Spring, Fall	0	0	0	0
MEC20057	Business IT Practice	3	Spring, Fall	0	0	0	0
MEC30003	International Economics	3	Spring	0		0	
MEC30005	Labor Economics	3	Spring	0		0	
MEC30006	Econometrics	3	Fall		0		
MEC30010	Theory of Games and Information	3	Fall		0		0
MEC30011	International Finance	3	Fall		0		0
MEC30015	Economic Development & International Cooperation	3	Fall				0
MEC30016	Financial Economics: Microeconomic Approach	3	Spring	0		0	
MEC30018	Real estate market and housing finance system	3	Spring	0		0	
MEC30068	Intermediate Accounting 1	3	Spring	0		0	
MEC30069	Intermediate Accounting 2	3	Fall		0		0
MEC30072	Consumer Behavior	3	Spring	0			
MEC30074	Human Resource Management	3	Spring, Fall	0	0	0	0
MEC30075	Investments	3	Spring	0		0	
MEC30080	Technological Innovation & Business Application	3	Spring	0			
MEC40089	PVision & Career Development II	3	Spring	0			
MEC40091	Business Analytics	3	Fall		0		0

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
UIL20012	Legal Argumentation	3	Fall		○		○
UIL20013	Legal Research and Writing	3	Spring, Fall	○	○	○	○
UIL20014	International Child Law and Development	3	Fall		○		
UIL30011	Public International Law	3	Fall		○		
UIL30013	U.S. and International Business Law	3	Spring, Fall	○		○	○
UIL30014	US Constitutional Law	3	Spring, Fall	○		○	○
UIL30015	US Contracts	3	Fall		○		
UIL30016	US Criminal Law and Procedure	3	Spring, Fall	○		○	○
UIL30017	US Torts	3	Spring, Fall	○		○	○
UIL30018	International Economic Law	3	Spring	○			
UIL30020	Advanced International Law Seminar	3	Fall		○		
UIL30051	Survey of American Law	3	Spring, Fall	○	○	○	○
UIL30068	American Legal Theory	3	Fall		○		
UIL30093	International Human Rights Law	3	Spring, Fall	○		○	
UIL30094	U.S.& International Social and Labour Law	3	Spring, Fall			○	○
UIL40014	Lawyers in Society	3	Fall		○		
UIL40015	Korean Law & Legal System	3	Fall	○			
UIL40016	Intellectual Property Law	3	Spring, Fall	○		○	○
UIL40020	Comparative Legal Systems	3	Fall		○		
UIL40064	Legal Negotiation	3	Spring, Fall	○		○	○
UIL40075	Justice: Readings in Moral & Political Philosophy	3	Spring, Fall	○		○	○
UIL40092	Special Topics in UIL	3	Fall		○		
UIL40095	Property	3	Fall		○		
UIL40096	North Korean Human Rights Law and Development	3	Fall		○		
UIL50007	Individual Study 1	3	Spring, Fall	○		○	○
UIL50008	Independent Study 2	2	Spring, Fall		○	○	○

<b>Code</b>	<b>Name</b>	<b>Credits</b>	<b>Semester</b>	<b>22-1</b>	<b>22-2</b>	<b>23-1</b>	<b>23-2</b>
SIT21003	Introduction to Global Entrepreneurship	3	Spring, Fall	○	○	○	○
SIT22001	Programming 1	3	Spring, Fall	○	○	○	○
SIT22005	Programming 2	3	Fall		○		○
SIT22006	Data Management and Application	3	Fall				○
SIT22008	Human Factors and Ergonomics	3	Fall		○		○
SIT22009	Data Science	3	Spring	○		○	
SIT22011	ICT Engineering Mathematics	3	Fall		○		○
SIT22012	3D Digital Content Production	3	Spring	○			
SIT31005	Business, Culture and Spirituality	3	Spring	○		○	
SIT31007	Technology Commercialization	3	Spring	○			
SIT32002	Human-Computer Interaction	3	Spring	○		○	
SIT32004	ICT Application Development	3	Fall		○		○
SIT32005	Interactive Visual Media	3	Fall		○		○
SIT32008	AI-Based Computer Vision Application	3	Spring	○		○	
SIT33007	AI Convergence and Application	3	Fall		○		○
SIT34003	Independent Study	3	Spring			○	
SIT34005	Capstone Design 1	3	Spring	○		○	
SIT42003	Big-Data Analysis	3	Spring			○	
SIT44002	Capstone Design 2	3	Fall		○		○

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
HMM10003	Basic Engineering Mathematics	3	Spring			○	
HMM20009	Electrical and Electronics Lab	3	Fall				○
HMM30007	Powerplant Technology & Turbomachinery	4	Fall		○		
HMM30017	Embedded Controller	4	Fall		○		○
HMM30020	Optimal Control and Reinforcement Learning	4	Fall				○
HMM30028	Energy & Mass Transfer	4	Spring	○		○	
HMM30030	Smart Sensors and IoT Devices	4	Spring	○		○	
HMM30034	Plant Engineering	3	Fall				○
HMM30076	Power Electronics	4	Spring	○		○	
HMM30079	Power System	3	Fall		○		○
HMM30080	Digital Control and Signal Processing	4	Spring, Fall	○			○
HMM30086	Energy & Electrochemistry	4	Spring	○		○	
HMM40007	Industrial AI & Automation	4	Spring				
HMM40008	Digital Twin & Automation	4	Spring	○			
HMM40009	Power conversion and storage for e-mobility	4	Fall		○		
HMM40018	Hydrogen & Green Energy	4	Fall		○		
HMM40019	e-Mobility Powertrain	4	Spring	○		○	
HMM40023	Battery Energy Technology	4	Fall		○		○
HMM40039	CAE Mechanical Design Analysis	3	Spring, Fall	○			○
HMM40068; HMM40002	Mechatronics Integration Project	3	Spring, Fall	○	○	○	○
HMM40069	Image Processing with Deep Learning	4	Spring	○		○	

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
CUE20002	Mechanics of Materials	3	Spring	○		○	
CUE20003	Drafting and CAD	4	Spring, Fall	○	○	○	
CUE20004	Structural Analysis	3	Fall		○		○
CUE20014	Energy and Design	3	Spring			○	
CUE20051	Fluid Mechanics	3	Spring	○		○	
CUE20052	International Planning and Development	3	Spring	○		○	
CUE20065	Environmental Hydraulics and Water Resource Engineering	3	Fall		○		○
CUE30003	Structural Engineering & Design	3	Spring			○	
CUE30006	Reinforced Concrete Engineering	3	Fall		○		○
CUE30018	Geotechnical Foundation Engineering	3	Fall				○
CUE30019	Engineering Reliability Design	3	Spring	○		○	
CUE30021	Soil Mechanics and Engineering	3	Spring	○		○	
CUE30030	Spatial Numerical Analysis	3	Spring	○			
CUE30031	Environmental Ecological Engineering 1	3	Spring	○		○	
CUE30032	Environmental Ecological Engineering 2	3	Fall		○		
CUE30051	Land Use Planning and Development	3	Spring	○			
CUE30057	Theory of Urban Structure	3	Fall		○		
CUE30060	Advanced Geographic Information System	3	Fall				○
CUE30062	Urban Planning and Design Lab.	4	Spring			○	
CUE30066	Urban Economics and Real Estate	3	Spring			○	
CUE40003	Architecture Design Studio 3	4	Spring	○		○	
CUE40006	Computer Aided Design	3	Fall		○		○
CUE40009	Architecture Design Studio 4	4	Spring			○	
CUE40020	Numerical Modeling for Scientists and Engineers	3	Fall		○		○
CUE40052	Environmental Impact Assessment	3	Spring	○		○	
CUE40053	Geographic Information System	3	Spring			○	
CUE40056	Theory of Housing and Habitation	3	Fall		○		○
CUE40061	Site Planning and Design	4	Fall		○		○
CUE40063	Vibrations and Waves	3	Fall		○		○
CUE40064	Architecture Design Studio 5	4	Fall		○		○
CUE40066	Sustainable International Development Practice	3	Fall				○
CUE40097	Individual Research 1	2	Spring	○			
CUE40098	Individual Research 2	2	Fall		○		
CUE40099	Individual Research 3	2	Fall		○		

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
CSW10003	Introduction to Psychology	3	Spring, Fall			0	0
CSW20001	Theory & Practice of Counseling	3	Spring, Fall	0	0		0
CSW20002	Developmental Psychology	3	Fall		0		0
CSW20005	Abnormal Psychology	3	Spring			0	
CSW20012	Personality Psychology	3	Spring	0		0	
CSW20020	Psychology of cognition	3	Fall				0
CSW20021	Psychology of Learning	3	Spring			0	
CSW20063	Social Welfare History	3	Fall				0
CSW20064	Social Problems	3	Spring	0		0	
CSW20085	Statistics in Social Welfare	3	Spring	0		0	
CSW30006	Counseling Practicum I (LAB)	3	Fall		0		0
CSW30008	Child Welfare	3	Fall		0		
CSW30010	Industrial and Organizational Psychology	3	Fall				0
CSW30012	Children & Adolescents Counseling	3	Spring			0	
CSW30021	Program Development and Evaluation for Social Welfare	3	Spring	0		0	
CSW30023	Career Counseling	3	Fall				0
CSW30025	Psychological Statistics	3	Spring	0		0	
CSW30026	Research Design and Methods	3	Fall		0		0
CSW30027	Capstone Design	3	Spring	0			
CSW30036	Family Counseling & Family Therapy	3	Spring	0		0	
CSW30052	Social Welfare Administration	3	Fall		0		0
CSW30056	Social Welfare Policy	3	Spring	0			
CSW30067	Research Methods for Social Welfare	3	Fall		0		0
CSW40009	Neuropsychology	3	Fall				0
CSW40010	Psychological Seminar	3	Spring, Fall		0	0	0
CSW40013	Individual Study 3	3	Spring	0			
CSW40015	Clinical Psychology	3	Spring	0		0	
CSW40018	Social Security	3	Fall				0

<b>Code</b>	<b>Name</b>	<b>Credits</b>	<b>Semester</b>	<b>22-1</b>	<b>22-2</b>	<b>23-1</b>	<b>23-2</b>
IID20003	Color Theory and Industrial Color	3	Spring, Fall	○	○	○	○
IID20006	Fundamentals of Visual Communication Design	3	Spring	○		○	
IID20013	Typograhly Design 1	3	Spring	○		○	
IID20055	Computer Graphic Design 1	3	Spring	○		○	
IID20057	Computer Graphic Design 2	3	Fall		○		○
IID20059	Presentation Technique 1	3	Spring	○		○	
IID20060	Presentation Technique 2	3	Fall		○		○
IID20061	Product Design Fundamentals 1	3	Spring	○			
IID20062	Product Design Fundamentals 2	3	Fall		○		○
IID20063	Editorial Design	3	Fall		○		○
IID20064	3D Modeling & Printing	3	Fall		○		
IID30071	Design Studio 1	3	Spring	○		○	
IID30089	Convergence Design Project	3	Fall				○
IID50005	Individual Research 2	3	Spring, Fall	○	○		

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
CCC10020	Media & Society	3	Spring, Fall	○		○	○
CCC20020	Communication Theories	3	Spring, Fall	○	○	○	○
CCC20053	Mass Media and Society	3	Spring	○			
CCC20072	CINEMA	3	Fall		○		○
CCC20081	Survey in Theatre & Drama	3	Fall		○		○
CCC20086	Dramatic Form and Structure	3	Spring			○	
CCC20095	Introduction to Documentary	3	Spring	○			
CCC30045	Cultural Content Practice	3	Fall				○
CCC30052	Mass Media Reading	3	Spring			○	
CCC30071	Cinema History	3	Spring	○		○	
CCC30076	Development and Producing in Film and Media	3	Fall		○		
CCC30089	Understanding of Filmmaking 1	3	Spring	○			
CCC30090	Understanding of Filmmaking 2	3	Fall		○		
CCC40046	Mass Media Research	3	Fall		○		○
CCC40073	Film Workshop Capstone Design	3	Fall		○		
CCC40095	Individual Research	3	Spring, Fall	○	○	○	

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
CCE10010	Justice and Human Rights in the North Korea	3	Fall				○
CCE20011	Mathematical analysis	3	Spring, Fall	○	○		
CCE20013	Regression Analysis	3	Fall		○		
CCE22001	Educational Psychology	3	Fall		○		○
CCE22002	Curriculum for Education and Evaluation	3	Fall		○		○
CCE22007	Understanding the Global Times	3	Fall		○		○
CCE22008	Ethical Foundations: Honesty, Integrity and Responsibility	3	Spring	○		○	
CCE22009	Our Future Survival with Sustainable Development	3	Spring	○		○	
CCE22010	Ethical Global Leadership	3	Fall		○		○
CCE22011	Networking and Partnerships in a Globalized World	3	Fall		○		○
CCE22012	Capacity Building as Global Citizens	3	Fall		○		○
CCE22013	Promoting Sustainable Development and Prosperity for All	3	Fall		○		○
CCE22014	Practicing Christian Global Leadership in a Pluralistic World	3	Spring, Fall		○	○	
CCE22015	Participation and Empowerment in Practice	3	Spring	○		○	
CCE22016	Capable and Responsible Leaders and Entrepreneurs	3	Spring	○		○	
CCE22017	Practicum(1): Global lab of SDGs	3	Spring	○			
CCE22018	Practicum(2): Green City and Campus for SDGs goals	3	Fall		○		
CCE23006	Special Topic In Creative Convergence Studies 1	2	Fall		○		
CCE23007	Special Topic In Creative Convergence Studies 2	3	Fall		○		
CCE24001	Vision, Work and Calling	2	Spring, Fall	○	○	○	○
CCE30009	Studies on Teaching Korean Pronunciation	3	Spring			○	
CCE30010	Studies on Teaching Korean Vocabulary	3	Fall		○		○
CCE30014	Studies on Teaching Korean Expressions	3	Spring			○	
CCE30017	Numerical analysis	3	Spring	○		○	
CCE30026	Statistical Computing	3	Spring	○		○	
CCE30027	Multivariate Data Analysis	3	Fall		○		○
CCE30032	Numerical Modeling	3	Fall		○		○
CCE32002	Philosophy of Christian Education	3	Spring			○	
CCE32003	Teaching Method and Educational Technology	3	Spring			○	
CCE33003	Market Analysis Based on Spatial Data Convergence	3	Spring			○	
CCE33004	Categorical Data Analysis	3	Spring			○	
CCE33005	Basic Research Methodology and Creative Convergence Research	3	Fall				○

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
CCE33006	OpenAI and Art	3	Spring			○	
CCE33010	Smart and Resilient City	3	Fall				○
CCE33011	AI, Culture, and Art	3	Fall				○
CCE40007	Teaching Practicum of Korean	3	Fall		○		
CCE40094	Individual Research 1 (Teacher Education Program)	1	Fall		○		
CCE40102	Creative Learning, Internship	Varies	Spring, Fall	○	○	○	○
CCE40103	Individual Research Project	6	Spring, Fall			○	○
CCE40104	Individual Research Thesis	3	Spring			○	
CCE40106	Major Seminar 1	3	Fall				○
CCE40107	Major Seminar 2	3	Fall		○		○
CCE40108	Creative Learning-major 1	Varies	Spring, Fall	○	○	○	
CCE40109	Creative Learning-major 2	6	Spring			○	
CCE40110	Creative Learning 1	3	Fall		○		
CCE40113	Creative Learning, Internship 2	3	Spring			○	
CCE42002	Education Field Seminar	1	Fall		○		○
CCE42003	Education Field Practicum	2	Spring	○			

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
ECE10003	C Programming Laboratories	1	Fall		○		
ECE10005	Coding Studio	1	Fall				○
ECE10020	Introduction to Engineering Design	3	Fall		○		○
ECE20006	Signal and System	3	Fall		○		○
ECE20009	Web Service Development	3	Fall		○		○
ECE20051	Circuit Theory 1	3	Spring	○		○	
ECE20053	Basic Circuit Theory 2	3	Fall		○		
ECE20057	Logic Design	3	Spring	○			
ECE20061	Electromagnetic	3	Fall				○
ECE30007	Introduction to Artificial Intelligence Project	2	Spring	○			
ECE30052	Electronic Circuits 2	3	Fall		○		○
ECE30063	Semiconductor Physics	3	Spring	○		○	
ECE30073	Automatic Control Systems	3	Fall		○		
ECE30078	Intelligent Robot Control	3	Fall				○
ECE30083	Principles of Communication	3	Spring	○		○	
ECE30086	Computer Networks	3	Fall		○		○
ECE30087	Probability and random processes	3	Fall				○
ECE40035	Introduction to Deep Learning	2	Spring	○			
ECE40065	Semiconductor Processing and nano Technology	3	Fall		○		
ITP10003	C Programming	3	Fall		○		○
ITP20001	Data Structures	3	Spring	○		○	
ITP20002	Discrete Mathematics	3	Fall		○		○
ITP20003	Java Programming	3	Spring	○		○	
ITP20004	Open-source Software Laboratories	2	Spring	○		○	
ITP20006	Web Development Programming	3	Fall		○		○
ITP20007	Logic Design	3	Spring	○		○	
ITP20010	Computer Vision	3	Fall		○		○
ITP30002	Operating Systems	3	Spring	○		○	
ITP30003	Computer Architecture and Organization	3	Fall		○		○
ITP30005	Algorithms Analysis	3	Spring	○		○	
ITP30008	Object-Oriented Design Pattern	3	Spring	○		○	
ITP30010	Database System	3	Spring	○		○	
ITP30011	Programming Language Theory	3	Fall		○		○
ITP40002	Software Engineering	3	Spring	○		○	
ITP40003	Computer Graphics	3	Spring	○		○	
ITP40004	Compiler Theory	3	Spring	○		○	
ITP40010	Machine Learning	3	Fall		○		○

Code	Name	Credits	Semester	22-1	22-2	23-1	23-2
AIX20001	Data Structures in Python	3	Fall		○		
AIX20002	Introduction to Big Data	3	Spring, Fall	○		○	○
AIX20003	Introduction to machine learning	3	Spring, Fall		○	○	○
AIX30006	Algorithm	3	Spring	○		○	
AIX30007	Bigdata Ethics	3	Fall		○		
AIX30008	Text Mining	3	Fall		○		○
AIX30009	Deep Learning	3	Spring		○		
AIX30010	Big Data Capstone Design	3	Spring, Fall			○	○
AIX40005	AI Capstone	3	Spring		○		
AIX40017	AI-DS Capstone	3	Fall				○