

## Curriculum

### □ Undergraduate(General Course)

| Classification            | Subject No. | Code   | Subject Name                                  | L:E:C | Semester    | Remark |
|---------------------------|-------------|--------|---|-------|-------------|--------|
| Mandatory English Courses | COM401      | 28.301 | Listening IV                                  | 3:0:1 | Spring      |        |
|                           | COM402      | 28.302 | Conversation IV                               | 3:0:1 | Spring      |        |
|                           | COM403      | 28.303 | Reading IV                                    | 3:0:1 | Spring      |        |
|                           | COM404      | 28.304 | Writing IV                                    | 3:0:1 | Spring      |        |
|                           | COM405      | 28.401 | Listening V                                   | 3:0:1 | Fall        |        |
|                           | COM406      | 28.402 | Conversation V                                | 3:0:1 | Fall        |        |
|                           | COM407      | 28.403 | Reading V                                     | 3:0:1 | Spring,Fall |        |
|                           | COM408      | 28.404 | Writing V                                     | 3:0:1 | Spring,Fall |        |
|                           | COM409      | 28.405 | English Communication                         | 3:0:1 | Spring      |        |
| Mandatory General Courses | COM120      | 28.120 | The Art of Technical Writing                  | 2:0:1 | Spring      |        |
|                           | COM171      | 28.171 | Colloquium                                    | 1:0:1 | Fall        |        |
|                           | COM172      | 28.172 | Colloquium                                    | 1:0:1 | Fall        |        |
|                           | COM173      | 28.173 | Colloquium                                    | 1:0:1 | Fall        |        |
|                           | COM200      | 28.200 | University Hour                               | 0:0:0 | Fall        |        |
|                           | HSS070      | 10.179 | Ethics and Safety II                          | 1AU   | Spring,Fall |        |
| Elective General Courses  | COM125      | 28.125 | Chinese I                                     | 2:0:2 | Spring      |        |
|                           | COM126      | 28.126 | Chinese II                                    | 2:0:2 | Fall        |        |
|                           | COM127      | 28.127 | Spanish                                       | 2:0:2 | Summer      |        |
|                           | COM128      | 28.128 | Spanish II                                    | 2:0:2 | Fall        |        |
|                           | COM130      | 28.130 | Korean History                                | 2:0:2 | Spring      |        |
|                           | COM131      | 28.131 | Modern World History                          | 2:0:2 | Spring      |        |
|                           | COM132      | 28.132 | Oriental Philosophy                           | 2:0:2 | Spring      |        |
|                           | COM133      | 28.133 | Western Philosophy                            | 2:0:2 | Spring      |        |
|                           | COM134      | 28.134 | Appreciating Operas                           | 2:0:2 | Fall        |        |
|                           | COM135      | 28.135 | Visual history on European Culture            | 2:0:2 | Fall        |        |
|                           | COM141      | 28.141 | Understanding Music                           | 2:0:2 | Spring      |        |
|                           | COM142      | 28.142 | Understanding Arts                            | 2:0:2 | Fall        |        |
|                           | COM143      | 28.143 | Literature and Society                        | 2:0:2 | Fall        |        |
|                           | COM144      | 28.144 | Fashion and Clothing                          | 2:0:2 | Fall        |        |
|                           | COM145      | 28.145 | Invitation to British and American Literature | 2:0:2 | Fall        |        |
|                           | COM146      | 28.146 | Food Habits and Diet                          | 2:0:2 | Fall        |        |
|                           | COM147      | 28.147 | Global Leadership                             | 2:0:2 | Spring,Fall |        |
|                           | COM150      | 28.150 | Physical Education (I)(Golf)                  | 2:0:1 | Spring,Fall |        |
|                           | COM151      | 28.151 | Physical Education (II)(Swimming)             | 1:0:1 | Spring      |        |
|                           | COM152      | 28.152 | Physical Education (III)(Skiing)              | 2:0:1 | Fall        |        |

| Classification           | Subject No. | Code   | Subject Name                                     | L:E:C | Semester    | Remark |
|--------------------------|-------------|--------|--|-------|-------------|--------|
| Elective General Courses | COM153      | 28.153 | Physical Education (IV)(Rock Climbing)           | 2:0:1 | Fall        |        |
|                          | COM155      | 28.155 | Physical Education (VI)(Squash)                  | 2:0:1 | Spring,Fall |        |
|                          | COM156      | 28.156 | Physical Education (VII) Sports Dance            | 2:0:1 | Fall        |        |
|                          | COM157      | 28.157 | Physical Education (VIII)Tennis                  | 2:0:1 | Fall        |        |
|                          | COM160      | 28.160 | Introduction to Sociology                        | 2:0:2 | Fall        |        |
|                          | COM161      | 28.161 | Introduction to Psychology                       | 2:0:2 | Fall        |        |
|                          | COM162      | 28.162 | Introduction to Communications                   | 2:0:2 | Fall        |        |
|                          | COM164      | 28.164 | Science and Technology                           | 2:0:2 | Spring      |        |
|                          | COM165      | 28.165 | Myths in Literature                              | 2:0:2 | Spring      |        |
|                          | COM166      | 28.166 | Violin Practice                                  | 2:0:1 | Spring      |        |
|                          | COM167      | 28.167 | Piano Classic                                    | 2:0:2 | Spring      |        |
|                          | COM168      | 28.168 | Psychology of Relationship between Man and Woman | 2:0:2 | Fall        |        |
|                          | COM169      | 28.169 | Creativity and Morals for Intellectuals          | 2:0:2 | Fall        |        |
|                          | COM170      | 28.170 | Dessinand Watercolor Painting                    | 2:0:1 | Spring      |        |
|                          | COM180      | 28.180 | Oriental Classics                                | 2:0:2 | Fall        |        |
|                          | COM181      | 28.181 | Occidental Classics                              | 2:0:2 | Fall        |        |
|                          | COM182      | 28.182 | Movie and Society                                | 2:0:2 | Fall        |        |
|                          | COM183      | 28.183 | Special Lecture on Social Sciences               | 3:0:3 | Spring      |        |
|                          | COM184      | 28.184 | Topics in Science and Technology                 | 3:0:3 | Spring      |        |
|                          | COM185      | 28.185 | Peer Group Seminar                               | 2:0:1 | Spring      |        |
|                          | COM190      | 28.190 | Violin Practice II                               | 0:2:1 | Spring      |        |
|                          | COM300      | 28.300 | Social service                                   | 2:0:1 | Spring      |        |

□ Undergraduate(Major Course)

| Classification   | Subject No. | Code   | Subject Name                             | L:E:C | Semester      | Remark |
|------------------|-------------|--------|--|-------|---------------|--------|
| Mandatory Common | ICE100      | 26.100 | Calculus I                               | 3:0:3 | Spring        |        |
|                  | ICE102      | 26.102 | Numerical Linear Algebra                 | 3:0:3 | Summer        |        |
|                  | ICE103      | 26.103 | Probability and Statistics               | 3:0:3 | Summer        |        |
|                  | ICE107      | 26.107 | Differential Equation                    | 3:0:3 | Spring        |        |
|                  | ICE111      | 26.111 | Chemistry                                | 3:0:3 | Spring,Fall   |        |
|                  | ICE112      | 26.112 | Life Science                             | 3:0:3 | Spring,Fall   |        |
|                  | ICE113      | 26.113 | Discrete Mathematics I                   | 3:0:3 | Fall          |        |
|                  | ICE114      | 26.114 | Calculus II                              | 3:0:3 | Fall          |        |
|                  | ICE115      | 26.115 | Physics I                                | 3:0:3 | Spring        |        |
|                  | ICE116      | 26.116 | Physics II                               | 3:0:3 | Fall          |        |
| Elective Common  | ICE120      | 26.120 | Introduction to Computer Science         | 3:0:3 | Spring        |        |
|                  | ICE109      | 26.109 | Applied Analysis                         | 3:0:3 | Spring,Fall   |        |
| Mandatory Major  | ICC210      | 26.210 | Algorithm Design & Analysis              | 3:0:3 | Summer,Fall   |        |
|                  | ICC220      | 26.220 | Computer Architecture                    | 3:0:3 | Spring,Fall   |        |
|                  | ICC225      | 26.225 | Operating Systems                        | 3:0:3 | Spring,Fall   |        |
|                  | ICC341      | 26.341 | Programming Languages and Lab            | 3:2:4 | Spring,Fall   |        |
|                  | ICE124      | 26.124 | Programming Fundamentals I(JAVA)         | 3:0:3 | Spring,Summer |        |
|                  | ICE125      | 26.125 | Programming Fundamentals II(C,C++)       | 3:0:3 | Fall          |        |
|                  | ICE200      | 26.200 | Data Structure                           | 3:0:3 | Spring,Fall   |        |
|                  | ICE202      | 26.213 | Software Studio                          | 2:4:3 | Spring,Fall   |        |
|                  | ICE211      | 26.211 | Signal and System                        | 3:0:3 | Spring        |        |
|                  | ICE231      | 26.231 | Introduction to Telecommunication System | 3:0:3 | Summer        |        |
|                  | ICE241      | 26.241 | Circuit Theory                           | 3:0:3 | Spring        |        |
|                  | ICE243      | 26.243 | Digital Logic Design+Lab                 | 3:4:4 | Spring,Fall   |        |
|                  | ICE244      | 26.244 | Electromagnetics                         | 3:0:3 | Spring,Fall   |        |
|                  | ICE310      | 26.310 | Digital Filtering                        | 3:0:3 | Fall          |        |
| Elective Major   | ICC201      | 26.208 | Abstract Algebra                         | 3:0:3 | Fall          |        |
|                  | ICC212      | 26.212 | Introduction to Information Security     | 3:0:3 | Summer        |        |
|                  | ICC222      | 26.222 | Microprocessor+Lab                       | 3:2:4 | Fall          |        |
|                  | ICC230      | 26.230 | Computer Networks                        | 3:0:3 | Spring,Fall   |        |
|                  | ICC235      | 26.235 | Multimedia System                        | 3:0:3 | Spring        |        |
|                  | ICC250      | 26.250 | Human-Computer Interaction               | 3:0:3 | Spring,Summer |        |
|                  | ICC255      | 26.263 | Computer Graphics                        | 3:0:3 | Fall          |        |
|                  | ICC270      | 26.270 | Database                                 | 3:0:3 | Spring,Fall   |        |
|                  | ICC293      | 26.293 | Introduction to Software Engineering     | 3:0:3 | Spring        |        |
|                  | ICC300      | 26.300 | Wireless and Mobile Internet             | 3:0:3 | Spring        |        |
|                  | ICC301      | 26.308 | Artificial Intelligence                  | 3:0:3 | Spring        |        |
|                  | ICC311      | 26.311 | Automata and Computational Theory        | 3:0:3 | Spring        |        |
|                  | ICC330      | 26.330 | Networked Computing                      | 3:0:3 | Spring,Fall   |        |
|                  | ICC338      | 26.338 | Programming for WWW                      | 3:0:3 | Summer        |        |
|                  | ICC339      | 26.339 | Multimedia Communication Middleware      | 3:0:3 | Summer,Fall   |        |
|                  | ICC340      | 26.340 | Compiler Construction                    | 3:0:3 | Spring        |        |
|                  | ICC350      | 26.350 | Introduction to Biomedical Engineering   | 3:0:3 | Spring        |        |
|                  | ICC355      | 26.355 | Computer Animation                       | 2:2:3 | Fall          |        |

| Classification             | Subject No. | Code   | Subject Name  | L:E:C | Semester           | Remark |
|----------------------------|-------------|--------|---|-------|--------------------|--------|
| Elective Major             | ICC380      | 26.380 | Biochemistry  | 3:0:3 | Fall               |        |
|                            | ICC382      | 26.382 | Molecular Genetics                                  | 3:0:3 | Spring,Fall        |        |
|                            | ICC402      | 26.415 | Problem Solving                                     | 3:0:3 | Summer             |        |
|                            | ICC403      | 26.416 | Data & Text Mining                                  | 3:0:3 | Fall               |        |
|                            | ICC404      | 26.417 | Embedded Processor Design                           | 3:0:3 | Spring             |        |
|                            | ICC480      | 26.480 | Bioinformatics                                      | 3:0:3 | Summer,Fall        |        |
|                            | ICC482      | 26.482 | Experimental Methods in BT+Lab                      | 3:4:4 | Spring             |        |
|                            | ICE245      | 26.245 | Electronic Circuit (I)+Lab                          | 3:2:4 | Fall               |        |
|                            | ICE251      | 26.262 | Modern Physics                                      | 3:0:3 | Fall               |        |
|                            | ICE312      | 26.312 | Introduction to Multimedia+Lab                      | 2:2:3 | Fall               |        |
|                            | ICE323      | 26.223 | IPTV Technology                                     | 3:0:3 | Fall               | ECE    |
|                            | ICE324      | 26.324 | Audio&Speech Coding Theory and Convergence          | 3:0:3 | Fall               | ECE    |
|                            | ICE331      | 26.345 | Digital Communication Theory                        | 3:0:3 | Spring             |        |
|                            | ICE341      | 26.348 | Electromagnetic Wave                                | 3:0:3 | Spring,Summer,Fall |        |
|                            | ICE342      | 26.342 | Microprocessor+Lab                                  | 3:2:4 | Fall               |        |
|                            | ICE343      | 26.343 | Electronic Circuit (II)+Lab                         | 3:2:4 | Spring             |        |
|                            | ICE350      | 26.356 | EmbeddedProgrammingforMultimedia Broadcasting + Lab | 1:2:3 | Spring             |        |
|                            | ICE351      | 26.357 | Solid State Electronics                             | 3:0:3 | Spring             |        |
|                            | ICE352      | 26.358 | Broadcasting Engineering                            | 3:0:3 | Spring             |        |
|                            | ICE361      | 26.361 | Introduction to SoC                                 | 3:0:3 | Fall               |        |
|                            | ICE362      | 26.362 | Quantum Electronics                                 | 3:0:3 | Summer             |        |
|                            | ICE411      | 26.411 | Introduction to Video Engineering                   | 3:0:3 | Spring             |        |
|                            | ICE412      | 26.412 | Introduction to Speech Engineering                  | 3:0:3 | Fall               |        |
|                            | ICE421      | 26.427 | Introduction to Network                             | 3:0:3 | Spring             |        |
|                            | ICE422      | 26.429 | Network Protocol+Lab                                | 3:2:4 | Fall               |        |
|                            | ICE431      | 26.437 | Wireless Communication+Lab                          | 3:2:4 | Fall               |        |
|                            | ICE440      | 26.440 | Digital Color Processing                            | 3:0:3 | Fall               | ECE    |
|                            | ICE441      | 26.446 | Radio Electronics + Lab                             | 3:2:4 | Fall               |        |
|                            | ICE451      | 26.467 | Laser Electronics                                   | 3:0:3 | Summer             |        |
|                            | ICE452      | 26.452 | Optical Communication System                        | 3:0:3 | Fall               |        |
|                            | ICE465      | 26.465 | Digital Radio                                       | 3:0:3 | Summer             |        |
|                            | ICE466      | 26.466 | Numerical Methods for Engineers                     | 3:0:3 | Summer,Fall        |        |
| Mandatory Research Courses | ICC495      | 26.485 | Independent study for Undergraduate project (A)     |       | Spring,Summer,Fall | CSE    |
|                            | ICC496      | 26.486 | Independent study for Undergraduate project (B)     |       | Spring,Summer,Fall | CSE    |
|                            | ICC497      | 26.487 | Undergraduate Project                               |       | Spring,Summer,Fall | CSE    |
|                            | ICC498      | 26.488 | Internship Research for Bachelor                    |       | Spring,Summer,Fall | CSE    |
|                            | ICE495      | 26.495 | Independent study for undergraduate project (A)     |       | Spring,Summer,Fall | ECE    |
|                            | ICE496      | 26.496 | Independent study for undergraduate project (B)     |       | Spring,Summer,Fall | ECE    |
|                            | ICE497      | 26.497 | Undergraduate Project                               |       | Spring,Summer,Fall | ECE    |
|                            | ICE498      | 26.498 | Internship Research for Bachelor                    |       | Spring,Summer,Fall | ECE    |

□ Master and Doctoral Programs

| Classification | Subject No. | Code   | Subject Name                                      | L:E:C | Semester           | Remark |
|----------------|-------------|--------|---|-------|--------------------|--------|
| Common         | COM501      | 28.501 | Korean Beginning I                                | 3:0:2 | Spring,Summer,Fall |        |
|                | COM502      | 28.502 | Korean Beginning II                               | 3:0:2 | Spring,Summer,Fall |        |
|                | COM503      | 28.503 | Korean Intermediate                               | 3:0:2 | Summer,Fall        |        |
|                | COM505      | 28.505 | English Thesis & Technical Writing                | 2:0:1 | Spring,Fall        |        |
|                | CC020       | 11.020 | Ethics and Safety I                               | 1AU   | Spring,Fall        |        |
| Major          | ICE502      | 26.502 | Computer Architecture                             | 3:0:3 | Summer             |        |
|                | ICE503      | 26.503 | Operating Systems                                 | 3:0:3 | Spring             |        |
|                | ICE504      | 26.504 | Probability & Random process                      | 3:0:3 | Spring             |        |
|                | ICE505      | 26.55  | Digital Signal Processing                         | 3:0:3 | Spring,Fall        |        |
|                | ICE506      | 26.506 | Digital Communication Theory                      | 3:0:3 | Spring             |        |
|                | ICE507      | 26.507 | Telecommunication Network Engineering             | 3:0:3 | Spring,Fall        |        |
|                | ICE508      | 26.508 | Numerical Methods for Engineers                   | 3:0:3 | Summer,Fall        |        |
|                | ICE509      | 26.509 | Electromagnetic Fields and Wave Propagation       | 3:0:3 | Spring,Fall        |        |
|                | ICE510      | 26.510 | Semiconductor Device Physics                      | 3:0:3 | Fall               |        |
|                | ICE512      | 26.512 | Wave Optics                                       | 3:0:3 | Spring             |        |
|                | ICE513      | 26.513 | Linear Systems                                    | 3:0:3 | Spring             |        |
|                | ICE519      | 26.519 | Coding Theory                                     | 3:0:3 | Spring             |        |
|                | ICE528      | 26.528 | Digital Switching Technology                      | 3:0:3 | Spring             |        |
|                | ICE531      | 26.531 | Wireless Communications SoC                       | 1:4:3 | Fall               |        |
|                | ICE534      | 26.534 | Web-based Software Development                    | 3:0:3 | Summer             |        |
|                | ICE539      | 26.539 | Software Engineering Economics & Management       | 3:0:3 | Spring             |        |
|                | ICE540      | 26.540 | Bioinformatics                                    | 3:0:3 | Summer,Fall        |        |
|                | ICE541      | 26.541 | Biochemistry                                      | 3:0:3 | Fall               |        |
|                | ICE542      | 26.542 | Molecular Genetics                                | 3:0:3 | Spring,Fall        |        |
|                | ICE543      | 26.543 | Experimental Methods in Biotechnology and Lab     | 3:4:4 | Spring             |        |
|                | ICE545      | 26.545 | Data & Text Mining                                | 3:0:3 | Fall               |        |
|                | ICE546      | 26.546 | Embedded Processor Design                         | 3:0:3 | Spring             |        |
|                | ICE552      | 26.552 | Computer Science for Engineers                    | 3:0:3 | Summer,Fall        |        |
|                | ICE565      | 26.565 | Introduction to acoustics                         | 3:0:3 | Fall               |        |
|                | ICE573      | 26.573 | Next Generation Display Engineering               | 3:0:3 | Spring             |        |
|                | ICE574      | 26.574 | Introduction to Quantum Electronics               | 3:0:3 | Summer             |        |
|                | ICE577      | 26.577 | Numerical Linear Algebra                          | 3:0:3 | Fall               |        |
|                | ICE578      | 26.578 | Estimation Theory                                 | 3:0:3 | Fall               |        |
|                | ICE579      | 26.579 | Geographic Information Systems                    | 3:0:3 | Fall               |        |
|                | ICE580      | 26.580 | Multimedia Communication Middleware               | 3:0:3 | Summer,Fall        |        |
|                | ICE581      | 26.581 | Intro. to SoC                                     | 3:0:3 | Fall               |        |
|                | ICE582      | 26.582 | CMOS VLSI Design                                  | 3:0:3 | Spring,Fall        |        |
|                | ICE584      | 26.584 | Introduction to Biomedical Engineering            | 3:0:3 | Spring             |        |
|                | ICE585      | 26.585 | Introduction to Software Product Line Engineering | 3:0:3 | Spring             |        |
|                | ICE600      | 26.600 | Computer Network                                  | 3:0:3 | Spring,Fall        |        |
|                | ICE601      | 26.601 | Distributed Systems                               | 3:0:3 | Spring             |        |
|                | ICE602      | 26.602 | UbiquitousNetworking                              | 3:0:3 | Summer             |        |
|                | ICE605      | 26.605 | Modern Cryptography                               | 3:0:3 | Spring             |        |
|                | ICE606      | 26.606 | Database Systems                                  | 3:0:3 | Spring,Summer      |        |
|                | ICE608      | 26.608 | Artificial Intelligence                           | 3:0:3 | Spring,Fall        |        |

| Classification | Subject No. | Code   | Subject Name                             | L:E:C | Semester      | Remark |
|----------------|-------------|--------|--|-------|---------------|--------|
| Major          | ICE609      | 26.609 | Computer Graphics                        | 3:0:3 | Spring        |        |
|                | ICE614      | 26.614 | Natural Language Processing              | 3:0:3 | Summer,Fall   |        |
|                | ICE615      | 26.615 | Network Security                         | 3:0:3 | Fall          |        |
|                | ICE617      | 26.617 | Human Computer Interaction               | 3:0:3 | Spring        |        |
|                | ICE619      | 26.619 | Advanced Digital Communication Theory    | 3:0:3 | Fall          |        |
|                | ICE623      | 26.623 | Data Communications                      | 3:0:3 | Spring        |        |
|                | ICE625      | 26.625 | Telecommunications Network Management    | 3:0:3 | Spring,Fall   |        |
|                | ICE626      | 26.626 | Digital Image Processing                 | 3:0:3 | Spring,Fall   |        |
|                | ICE629      | 26.629 | Speech and Audio Coding Theory           | 3:0:3 | Fall          |        |
|                | ICE630      | 26.630 | Video Coding Theory                      | 3:0:3 | Fall          |        |
|                | ICE631      | 26.631 | Pattern Recognition Theory               | 3:0:3 | Spring        |        |
|                | ICE632      | 26.632 | Speech Signal Processing                 | 3:0:3 | Spring        |        |
|                | ICE633      | 26.633 | Digital Video Processing                 | 3:0:3 | Fall          |        |
|                | ICE634      | 26.634 | Adaptive Signal Processing               | 3:0:3 | 0             |        |
|                | ICE635      | 26.635 | CDMA-based Communication Systems         | 3:0:3 | Fall          |        |
|                | ICE636      | 26.636 | Mobile Communication Systems             | 3:0:3 | Spring        |        |
|                | ICE638      | 26.638 | Optical Communications                   | 3:0:3 | Spring        |        |
|                | ICE643      | 26.643 | Optical Circuit and System Design        | 3:0:3 | Fall          |        |
|                | ICE647      | 26.647 | RF Integrated Circuit Design             | 3:0:3 | Fall          |        |
|                | ICE649      | 26.649 | Microwave Engineering                    | 3:0:3 | Fall          |        |
|                | ICE651      | 26.651 | MMIC Design                              | 3:0:3 | Spring,Summer |        |
|                | ICE653      | 26.653 | Computer Haptics                         | 3:0:3 | Spring        |        |
|                | ICE657      | 26.657 | VLSI Design                              | 3:0:3 | Summer        |        |
|                | ICE661      | 26.661 | Queueing Theory                          | 3:0:3 | Fall          |        |
|                | ICE664      | 26.664 | Optical Networks                         | 3:0:3 | Spring        |        |
|                | ICE667      | 26.667 | Microwave Devices                        | 3:0:3 | Spring        |        |
|                | ICE668      | 26.668 | RF Devices                               | 3:0:3 | Summer        |        |
|                | ICE669      | 26.669 | Wireless Transceiver Design              | 3:0:3 | Spring,Summer |        |
|                | ICE676      | 26.676 | Analysis and Design of Antenna           | 3:0:3 | Spring        |        |
|                | ICE677      | 26.677 | Wireless Communications SoC II           | 1:4:3 | Spring        |        |
|                | ICE679      | 26.679 | Multimedia System                        | 3:0:3 | Summer        |        |
|                | ICE681      | 26.681 | Mixed signal circuit design              | 3:0:3 | Fall          |        |
|                | ICE683      | 26.683 | Wireless Communication Network           | 3:0:3 | Spring        |        |
|                | ICE689      | 26.689 | Analogue Integrated Circuits Design      | 3:0:3 | Spring        |        |
|                | ICE690      | 26.690 | Handset L2/L3 Software                   | 3:0:3 | Fall          |        |
|                | ICE695      | 26.695 | Machine Learning                         | 3:0:3 | Summer,Fall   |        |
|                | ICE696      | 26.696 | Information Retrieval                    | 3:0:3 | Spring,Fall   |        |
|                | ICE698      | 26.698 | Modeling and Simulation                  | 3:0:3 | Fall          |        |
|                | ICE702      | 26.702 | Statistical Signal Processing            | 3:0:3 | Spring,Fall   |        |
|                | ICE711      | 26.711 | Human Vision Modeling                    | 3:0:3 | Spring        |        |
|                | ICE714      | 26.714 | IPTV Network and Protocol                | 3:0:3 | Spring        |        |
|                | ICE715      | 26.715 | Mobile Computing                         | 3:0:3 | Summer        |        |
|                | ICE720      | 26.720 | Electronic Commerce Systems              | 3:0:3 | Summer        |        |
|                | ICE732      | 26.732 | Information Theory                       | 3:0:3 | Summer,Fall   |        |
|                | ICE736      | 26.736 | Design and Analysis of Broadband Network | 3:0:3 | Fall          |        |

| Classification    | Subject No. | Code   | Subject Name   | L:E:C | Semester | Remark |
|-------------------|-------------|--------|--|-------|----------|--------|
| Major             | ICE745      | 26.745 | Optimization Techniques for Mobile Communications                        | 3:0:3 | Fall     |        |
|                   | ICE746      | 26.746 | Speech Recognition System  | 3:0:3 | Fall     |        |
|                   | ICE753      | 26.753 | Software Requirements Engineering  | 3:0:3 | Spring   |        |
|                   | ICE754      | 26.754 | Software Process   | 3:0:3 | Fall     |        |
|                   | ICE763      | 26.763 | Ubiquitous Computing system  | 3:0:3 | Spring   |        |
|                   | ICE764      | 26.764 | Optimal Combining and Detection in Wireless Communications               | 3:0:3 | Summer   |        |
|                   | ICE802      | 26.802 | Special Topics on Computer Networks                                      | 3:0:3 | Summer   |        |
|                   | ICE809      | 26.809 | Special Topics on Artificial Intelligence                                | 3:0:3 | Fall     |        |
|                   | ICE812      | 26.812 | Special Topics on Advanced Networks                                      | 3:0:3 | Fall     |        |
|                   | ICE814      | 26.814 | Special Topics on Multimedia Systems                                     | 3:0:3 | Summer   |        |
|                   | ICE815      | 26.815 | Special Topics on Image Engineering                                      | 3:0:3 | Fall     |        |
|                   | ICE833      | 26.833 | Special Topics on Optical Internet                                       | 3:0:3 | Fall     |        |
|                   | ICE834      | 26.834 | Special Topics on Microwave System                                       | 3:0:3 | Spring   |        |
|                   | ICE839      | 26.839 | Special Topics on Ad Hoc and Sensor Networks (I)                         | 3:0:3 | Summer   |        |
|                   | ICE840      | 26.840 | Special Topics on Ad Hoc and Sensor Networks II                          | 3:0:3 | Fall     |        |
|                   | ICE846      | 26.846 | Special Topics on Network Convergence                                    | 3:0:3 | Summer   |        |
|                   | ICE847      | 26.847 | Special Topics on Wireless Digital Processing                            | 3:0:3 | Summer   |        |
|                   | ICE848      | 26.848 | Special Topics on Advanced Communication Middleware and Computing system | 3:0:3 | Summer   |        |
|                   | ICE849      | 26.849 | WLAN MAC System Design Lab   | 1:3:3 | Fall     |        |
|                   | ICE851      | 26.851 | RFID System Design Lab.  | 1:3:3 | Fall     |        |
|                   | ICE852      | 26.852 | Special Topics on Future Networks  | 3:0:3 | Fall     |        |
|                   | ICE853      | 26.853 | Converged Optical and Wireless Access Networks                           | 3:0:3 | Fall     |        |
|                   | ICE854      | 26.854 | Special Topics Communications Networks(I)                                | 3:0:3 | Fall     |        |
|                   | ICE855      | 26.855 | Special Topic on Wireless Network  | 3:0:3 | Spring   |        |
|                   | ICE856      | 26.856 | A Special Topic on All-Digital PLLs                                      | 3:0:3 | Spring   |        |
|                   | ICE857      | 26.857 | Special Topics on Embedded Systems/Software                              | 3:0:3 | Spring   |        |
|                   | ICE858      | 26.858 | Special Topics on Digital Transceiver                                    | 3:0:3 | Spring   |        |
| Interdisciplinary | ICE561      | 26.561 | Introduction to Electrical Engineering                                   | 3:0:3 | Fall     |        |
|                   | ICE570      | 26.570 | Introduction to Computer Science   | 3:0:3 | Spring   |        |
|                   | ICE911      | 26.911 | Internship Research for Master   | 0:0:0 |          |        |
|                   | ICE912      | 26.912 | Internship Research for Ph.D.  | 0:0:0 |          |        |
| Thesis            | ICE931      | 26.931 | Research for M.S Thesis  | 0:0:0 |          |        |
|                   | ICE932      | 26.932 | Research for Ph.D.Dissertation   | 0:0:0 |          |        |

※ ICE561 and ICE570 are Interdisciplinary subjects for IT Business students.