course compatibility table(For students enrolled in AY2017 and before)

| Code | (New)Course Name | Credits※2 | Academic Completion Course | Code | (Old) Course Name ※For students enrolled in AY2017 and before | Credits※2 | Academic Completion Course | Regist※3rati | Note |
|---|---|---|---|---|---|---|---|---|---|
| MA01 | Linear Algebra I | 2 | 1-Q1/2 | M01 | Linear Algebra I | 2 | 1-Q1/2 | × | |
| MA02 | Linear Algebra II | 2 | 1-Q3/4 | M02 | Linear Algebra II | 2 | 1-Q3/4 | × | |
| MA03 | Calculus I | 2 | 1-Q1/2 | M03 | Calculus I | 2 | 1-Q1/2 | × | |
| MA04 | Calculus II | 2 | 1-Q3/4 | M04 | Calculus II | 2 | 1-Q3/4 | × | |
| MA05 | Fourier Analysis | 2 | 2-Q1 | M05 | Fourier Analysis | 2 | 2-S1 | × | |
| MA06 | Complex Analysis | 2 | 2-Q4 | M06 | Complex Analysis | 2 | 2-Q4 | × | |
| MA07 | Probability and Statistics | 2 | 2-Q1 | M07 | Probability and Statistics | 2 | 2-S1 | × | |
| MA08 | Applied Algebra | 2 | 3-Q2 | M08 | Applied Algebra | 2 | 2-Q3 | × | |
| MA09 | Mathematical Logic | 2 | 3-Q3 | M09 | Mathematical Logic | 2 | 3-Q2 | × | |
| MA10 | Introduction to Topology | 2 | 3-Q1 | M10 | Introduction to Topology | 2 | 2-Q4 | × | |
| MA11 | Applied Geometry and Topology | 2 | 3-Q3 | M11 | Applied Geometry and Topology | 2 | 3-Q2 | × | |
| NS01 | Dynamics | 2 | 1-Q2 | NS01 | Dynamics | 2 | 1-S1 | × | |
| NS02 | Electromagnetism | 2 | 1-Q4 | NS02 | Electromagnetism | 2 | 1-S2 | × | |
| NS03 | Quantum Mechanics | 2 | 2-Q1 | NS03 | Quantum Mechanics | 2 | 2-S1 | × | |
| NS04 | Semiconductor Devices | 2 | 2-Q3 | NS04 | Semiconductor Devices | 2 | 2-Q3 | × | |
| NS05 | Thermodynamics and Statistical Mechanics | 2 | 2-Q2 | NS05 | Thermodynamics and Statistical Mechanics | 2 | 2-Q1 | × | |
| NS07 | Introduction to Optoelectronics | 2 | 3-Q4 | NS07 | Introduction to Optoelectronics | 2 | 2-Q4 | × | |
| LI01 | Computer Literacy | 4 | 1-Q1 | L01 | Literacy I | 4 | 1-S1 | × | |
| | | | | L02 | Literacy II | 3 | 1-S2 | | Abolition course |
| LI03 | Guidance of Computer Science and Engineering | 2 | 1-Q1 | L03 | Introduction to Computer Science and Engineering | 2 | 1-Q1 | × | |
| LI04 | Introduction to Computer Systems | 2 | 1-Q3 | L04 | Introduction to Computer Systems | 2 | 1-Q3 | × | |
| LI06 | Information Security | 2 | 1-Q3 | L06 | Information Security | 2 | 1-Q3 | × | |
| LI07 | Information and Occupations | 2 | 4-Q2 | L07 | Information & Occupations | 2 | 4-Q2 | × | |
| LI08 | Information Ethics | 2 | 1-Q1 | L08 | Information Ethics | 2 | 1-Q2 | × | |
| LI09 | Fundamentals of System Development and Project Management | 2 | 4-Q2 | L09 | Introduction to IT Engineers | 2 | 4-Q1 | × | |
| LI10 | Introduction to Multimedia Systems | 2 | 2-Q4 | L10 | Introduction to Multimedia Systems | 2 | 2-Q2 | × | |
| LI11 | Introduction to Computer Network | 2 | 2-Q3 | L11 | Intro. to Computer Networking | 2 | 1-Q4 | × | |
| LI12 | Creativity Studio | 2 | 2,3,4-Int | L12 | Creativity Studio | 2 | 2,3,4-Int | × | |
| LI13 | CSE Exercise I | 3 | 2-S1 | L05 | CSE Laboratories | 3 | 2-S1 | × | |
| LI14 | CSE Exercise II | 3 | 2-S2 | | | | | | New course |
| PL01 | Introduction to Programming | 4 | 1-Q2 | P01 | Introduction to Programming | 4 | 1-S1 | × | |
| PL02 | C Programming | 4 | 1-Q3 | P02 | C Programming | 4 | 1-S2 | × | |
| PL03 | Java Programming I | 4 | 2-Q1 | P03 | JAVA Programming I | 4 | 2-S1 | × | |
| PL04 | C++ Programming | 3 | 3-Q3 | P04 | C++ Programming | 3 | 2-Q3 | × | |
| PL05 | Computer Languages | 3 | 3-Q4 | P05 | Computer Languages | 3 | 3-Q3 | × | |
| PL06 | Java Programming II | 3 | 3-Q1 | P06 | Java Programming II | 3 | 3-Q2 | × | |

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|---|---|---|---|---|---|---|---|---|---|
| FU01 | Algorithms and Data Structures I | 4 | 1-Q4 | F01※1 | Algorithms and Data Structures | 4 | 2-S1 | × | |
| FU02 | Information Theory and Data Compression | 3 | 3-Q4 | F02 | Information Theory | 2 | 2-S2 | × | |
| | | | | F12 | Data Compression | 2 | 4-Q3 | ○ | |
| FU03 | Discrete Systems | 3 | 2-Q2 | F03 | Discrete Systems | 3 | 2-S1 | × | |
| FU04 | Logic Circuit Design | 4 | 2-Q3 | F04 | Logic Circuit Design | 4 | 2-S2 | × | |
| FU05 | Computer Architecture | 4 | 3-Q1 | F05 | Computer Architecture | 4 | 3-S1 | × | |
| FU06 | Operating Systems | 4 | 2-Q4 | F06 | Operating Systems | 4 | 2-S2 | × | |
| FU08 | Automata and Languages | 3 | 2-Q4 | F08※1 | Automata and Languages | 3 | 3-Q1 | × | |
| FU09 | Algorithms and Data Structures II | 3 | 3-Q1 | F09 | Advanced Algorithms | 3 | 4-Q2 | × | |
| FU10 | Language Processing Systems | 3 | 3-Q3 | F10 | Language Processing Systems | 3 | 3-Q3 | × | |
| FU11 | Numerical Analysis | 3 | 3-Q4 | F11 | Numerical Analysis | 3 | 3-Q3 | × | |
| FU14 | Introduction to Software Engineering | 3 | 3-Q2 | F14 | Intro. to Software Engineering | 3 | 3-Q1 | × | |
| FU15 | Introduction to Data Management | 3 | 2-Q2 | | | | | | New course |
| SY02 | Electronics | 4 | 3-Q4 | S02 | Electronics | 3 | 3-Q2 | × | |
| | | | | S03 | Advanced Electronics | 3 | 3-Q4 | ○ | |
| SY04 | Embedded Systems | 4 | 3-Q4 | S01 | Computer Organization and Design | 3 | 3-Q3 | ○ | |
| | | | | S04※1 | Embedded Systems | 3 | 4-Q1 | × | |
| SY05 | Parallel Computer Systems | 3 | 3-Q3 | S05 | Parallel Computer Architecture | 3 | 4-Q3 | × | |
| SY06 | VLSI Design | 2 | 3-Q2 | S06 | VLSI Design | 3 | 3-Q2 | × | |
| SY07 | Advanced Logic Circuit Design | 3 | 3-Q2 | S07 | Advanced Logic Circuit Design | 3 | 3-Q1 | × | |
| | | | | S08 | VLSI Device Technology | 3 | | | Abolition course |
| | | | | S09 | Computer System Engineering | 2 | 4-Q3 | | Abolition course |
| CN02 | Network Security | 3 | 3-Q2 | N02 | Computer Communications and Networking | 2 | 3-Q2 | × | |
| CN03 | Network Programming | 3 | 3-Q3 | N03※1 | Computer Network Organization & Design | 3 | 4-Q1 | × | |
| CN04 | Wireless Networking | 2 | 3-Q4 | N04 | Digital Communication Systems | 2 | 3-Q3 | × | |
| CN05 | Computer and Network System Modeling and Simulation | 3 | 3-Q4 | N05 | Performance Evaluation | 3 | 4-Q3 | × | |
| IT01 | Artificial Intelligence | 4 | 3-Q3 | A01 | Artificial Intelligence | 3 | 3-Q3 | × | |
| IT02 | Computer Graphics | 3 | 3-Q2 | A02 | Computer Graphics | 3 | 3-Q4 | × | |
| IT03 | Image Processing | 3 | 4-Q2 | A03 | Image Processing | 3 | 4-Q2 | × | |
| | | | | A04※1 | Biomedical Information Technology | 3 | 4-Q1 | | Abolition course |
| IT05 | Robotics and Automatic Control | 3 | 4-Q1 | A05 | Robotics and Automatic Control | 3 | 4-Q2 | × | |
| IT06 | Human Interface and Virtual Reality | 3 | 4-Q1 | A06 | HI and VR | 3 | 4-Q2 | × | |
| IT08 | Signal Processing and Linear System | 4 | 3-Q1 | A07 | Linear Systems | 3 | 3-Q4 | ○ | |
| | | | | A08 | Digital Signal Processing | 2 | 3-Q2 | × | |
| IT09 | Sound and Audio Processing | 3 | 4-Q1 | | | | | | New course |
| IT10 | Geometory for Visual Computing | 3 | 3-Q1 | F13 | Computational Geometry | 2 | 3-Q3 | ○ | |
| IT11 | Information Retrieval and Natural Language Processing | 3 | 3-Q4 | | | | | | New course |

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|---|---|---|---|---|---|---|---|---|---|
| SE01 | Web Engineering | 3 | 3-Q2 | SE01 | Web Engineering | 3 | 4-Q3 | × | |
| SE02 | Web Data Modeling | 3 | 3-Q3 | SE02 | Web Programming | 3 | 4-Q1 | × | |
| SE04 | Advanced Software Engineering | 3 | 3-Q4 | SE04 | Software Engineering II | 3 | 3-Q3 | × | |
| SE05 | Software Studio | 3 | 4-S1 | SE05 | Software Studio | 3 | 4-S1 | × | |
| SE06 | Concurrent and distributed systems | 3 | 3-Q4 | SE06 | Distributed Computing | 3 | 3-Q4 | × | |
| SE07 | Database Systems | 3 | 3-Q2 | F07※1 | Database Systems | 3 | 3-S1 | × | |
| IE01 | Integrated Exercise for Systems I | 3 | 3-S1 | | | | | | New course |
| IE02 | Integrated Exercise for Systems II | 3 | 3-S2 | | | | | | New course |
| IE03 | Integrated Exercise for Software I | 3 | 3-S1 | | | | | | New course |
| IE04 | Integrated Exercise for Software II | 3 | 3-S2 | | | | | | New course |

※1 There is a transitional treatment in 2018 only

※2 The number of credits shall be decided according to the fiscal year in which the credits were obtained (sometimes different from the number of credits at the time of enrollment)

※3 If the student who acquired the old subject course can not take the new subject, it is ×. If possible, it is ○.