

AY2022 ICT Global All-English Program Course List

【The courses of ICT Global Program All-English Program】

- (1) English-medium instruction subjects except English Language subjects.
- (2) Foreign Language subjects
- (3) Graduation thesis

Red: Strongly Recommended Courses(SR), Blue: Field Recommended Courses, Black: Other Courses and Optional Courses

Standard Year	Quarter	Course Name	Credit
1	1, 2	PA03 Physical Activity 3	1
1	1	JP03 Intermediate Japanese I	1
1	1	MA04 Calculus II	2
1	1	LI03 Introduction to Computer Science and Engineering	2
1	1	LI04 Introduction to Computer Systems	2
1	1	LI06 Information Security	2
1	1	PL02 C Programming	4
1	2	JP04 Intermediate Japanese II	1
1	2	MA02 Linear Algebra II	2
1	2	NS02 Electromagnetism	2
1	2	FU01 Algorithms and Data Structures I	4
1	Int	HS01 Philosophy	2
1	Int	HS10 Economics	2
1	3	HS06 Art	2
1	3	HS19 Culture and History of Aizu	2
1	3	JP01 Introductory Japanese I	1
1	3	MA01 Linear Algebra I	2
1	3	LI01 Computer Literacy	4
1	3	LI03 Introduction to Computer Science and Engineering	-(Credit is set with Q3)
1	3	LI08 Information Ethics	2
1	4	JP02 Introductory Japanese II	1
1	4	MA03 Calculus I	2
1	4	NS01 Dynamics	2
1	4	PL01 Introduction to Programming	4
1	Int	HS11 Sociology	2
2	1	JP07 Business Japanese	2
2	1	MA05 Fourier Analysis	2
2	1	MA07 Probability and Statistics	2
2	1	NS03 Quantum Mechanics	2
2	1, 2	LI13 CSE Exercise I	3
2	1	PL03 JAVA Programming I	4

2	2	NS05 Thermodynamics and Statistical Mechanics	2
2	2	FU03 Discrete Systems	3
2	2	FU15 Introduction to Data Management	3
2	3	JP05 Advanced Japanese I	2
2	3	NS04 Semiconductor Devices	2
2	3	LI11 Intro. to Computer Networking	2
2	3, 4	LI14 CSE Exercise II	3
2	3	FU04 Logic Circuit Design	4
2	4	JP06 Advanced Japanese II	2
2	4	MA06 Complex Analysis	2
2	4	LI10 Introduction to Multimedia Systems	2
2	4	FU06 Operating Systems	4
2	4	FU08 Automata and Languages	3
2	Int	PA04 Physical Activity 4	1
3	1	EL146 Corpus Linguistics for Language Learners	2
3	1	EL155 Notetaking and Listening Skills for Academic Lectures in English	2
3	1	EL244 An Introduction to Cross-cultural Communication	2
3	1	EL248 Visualization and Storytelling in Data Science	2
3	1	EL315 Design and Analysis for IT Business	2
3	1	EL331 Authorship analysis using Python	2
3	1	PL06 Java Programming II	3
3	1	FU05 Computer Architecture	4
3	1	FU14 Intro. to Software Engineering	3
3	1	IT08 Signal Processing and Linear System	4
3	1	IT10 Geometry for Visual Computing	3
3	1, 2	IE01 Integrated Exercise for Systems I	3
3	1, 2	IE03 Integrated Exercise for Software I	3
3	2	EL144 Conversation Analysis and the Pragmatics of Spoken Interaction	2
3	2	EL222 Business Writing and Presentations	2
3	2	EL247 Second Language Acquisition Methods	2
3	2	EL314 Experimental Methods and Statistics for Linguistics	2
3	2	EL317 Patterns and language	2
3	2	EL329 Critical Thinking	2
3	2	MA08 Applied Algebra	2
3	2	FU09 Algorithms and Data Structures II	3
3	2	SY07 Advanced Logic Circuit Design	3
3	2	CN02 Network Security	3
3	2	IT02 Computer Graphics	3
3	2	SE01 Web Engineering	3

3	2	SE07 Database Systems	3
3	3	EL102 Design of Human Languages	2
3	3	EL115 Analysis of English Sentence Structure	2
3	3	EL131 Language and Linguistics	2
3	3	EL318 ICT in Education	2
3	3	EL321 Pronunciation: Acoustic Analysis Using Software	2
3	3	MA10 Introduction to Topology	2
3	3	PL04 C++ Programming	3
3	3	FU02 Information Theory and Data Compression	3
3	3	SY05 Parallel Computer System	3
3	3	CN03 Network Programming	3
3	3	IT01 Artificial Intelligence	4
3	3	SE08 Introduction to Data Mining	3
3	3, 4	IE02 Integrated Exercise for Systems II	3
3	3, 4	IE04 Integrated Exercise for Software II	3
3	4	EL134 High Frequency Vocabulary	2
3	4	EL152 Reading Fluency	2
3	4	EL154 SDGs by Discussion	2
3	4	EL218 Presentation Skills	2
3	4	EL330 Computer Science Vocabulary	2
3	4	FU11 Numerical Analysis	3
3	4	CN04 Wireless Networking	2
3	4	CN05 Computer and Network System Modeling and Simulation	3
3	4	IT11 Information Retrieval and Natural Language Processing	3
3	4	SE04 Advanced Software Engineering	3
3	4	SE06 Concurrent and distributed computing	3
4	1, 2	EN08 Thesis Writing and Presentation	1
4	1	FU10 Language Processing Systems	3
4	1	IT05 Robotics and Automatic Control	3
4	1	IT06 Human Interface and Virtual Reality	3
4	1, 2	SE05 Software Studio	3
4	1	IT09 Sound and Audio Processing	3
4	2	IT03 Image Processing	3