



2-1. Science and Engineering Course, Iwate Science and Engineering Research Program (Subjects taken by the exchange students in the past) \*After Reorganization of April 2025

Area	Course Category	Subject Name	Remarks	Credit 1st	Credit 2nd	Area	Course Category	Subject Name	Remarks	Credit 1st	Credit 2nd
Language (Minimum 1 credit)	International Education	Elementary Japanese General		1	1	Elective Courses of this Program (Minimum 2 credits)	Course for Graduate School	Introduction to Soft Path Science and Engineering			2
	International Education	Elementary Japanese General Kanji		1	1		Course for Graduate School	Advanced Organic Reaction Chemistry			2
	International Education	Elementary Japanese 1 Writing & Reading		1	1		Course for Graduate School	Advanced Synthetic Polymer Chemistry			2
	International Education	Elementary Japanese 1 Grammar		1	1		Course for Graduate School	Advanced Chemistry of Functional Polymers			2
	International Education	Elementary Japanese 1 Conversation		1	1		Course for Graduate School	Advanced Surface Chemistry			2
	International Education	Elementary Japanese 2 Grammar		2	2		Course for Graduate School	Advanced Electrochemistry			2
	International Education	Elementary Japanese 2 Conversation		1	1		Course for Graduate School	Advanced Energy Chemistry			2
	International Education	Elementary Japanese 2 Kanji		1	1		Course for Graduate School	Seminar for Cell Signaling			2
	International Education	Intermediate Japanese 1 Grammar 1		1	1		Course for Graduate School	Cellular and Tissue Engineering			2
	International Education	Intermediate Japanese 1 Grammar 2		1	1		Course for Graduate School	Lecture for Neuroscience			2
	International Education	Intermediate Japanese 1 Conversation		1	1		Course for Graduate School	Lecture for Developmental Biology			2
	International Education	Intermediate Japanese 1 Writing		1	1		Course for Graduate School	Lecture for Regenerative Medical Engineering			2
	International Education	Intermediate Japanese 1 Reading		1	1		Course for Graduate School	Lecture for Medicinal Science			2
	International Education	Intermediate Japanese 1 Kanji		1	1		Course for Graduate School	Advanced Linear Algebra 1/2			2
	International Education	Intermediate Japanese 2 Conversation		1	1		Course for Graduate School	Advanced Applied Mathematics 1/2			2
	International Education	Intermediate Japanese 2 Writing		1	1		Course for Graduate School	Advanced Course of Probability and Statistics 1/2			2
	International Education	Intermediate Japanese 2 Grammar		1	1		Course for Graduate School	Advanced Modern Physics 1/2			2
	International Education	Intermediate Japanese 2 Kanji		1	1		Course for Graduate School	Advanced Superconductor Materials			2
	International Education	Intermediate Japanese 2 for JLPT	JLPT N2	1	1		Course for Graduate School	Advanced High Energy Physics			2
	International Education	Intermediate Japanese 2 Reading		1	1		Course for Graduate School	Advanced Science and Engineering of Electronic Functional Materials			2
	International Education	Intermediate Japanese 2 Listening		1	1		Course for Graduate School	Advanced Evaluation of Functional Materials			2
	International Education	Intermediate Japanese 2 Grammar B		1	1		Course for Graduate School	Advanced Electronic Circuits Engineering			2
	International Education	Advanced Japanese Business		1	1		Course for Graduate School	Advanced Measurement System Engineering			2
	International Education	Advanced Japanese for Academic	JLPT N1	1	1		Course for Graduate School	Advanced Communications System Engineering			2
International Education	Advanced Japanese Kanji		1	1	Course for Graduate School	Advanced High Voltage Transient Phenomena			2		
International Education	Advanced Japanese Conversation		1	1	Course for Graduate School	Aerospace Propulsion System Engineering			2		
General Education	Advanced Japanese A/E (Aural Communication)		1	1	Course for Graduate School	Advanced Processing Systems			2		
General Education	Advanced Japanese B/F (Academic Writing)		1	1	Course for Graduate School	Field Robotics			2		
General Education	Advanced Japanese C/G (JSP for Social Science)		1	1	Course for Graduate School	Advanced Computational Intelligence			2		
General Education	Advanced Japanese D/H (Academic Reading)		1	1	Course for Graduate School	Advanced Image Recognition			2		
Course for Graduate School	Academic English		1	1	Course for Graduate School	Introduction to Design and Media Technology			2		
					Course for Graduate School	Collaborative Design Project			2		
					Course for Graduate School	Product Design			2		
					[Elective Courses of Iwate Area Studies Program]						
					Select Courses from the recommended courses, Courses for International Exchange, Specialized Courses of Graduate School according to the individual research topic.						
Research (Minimum 2 credit)	International Education	Iwate Science Research A/B (undergraduate)		2	2	Elective Courses (Do not exceed the limit of 24 credits per semester.)	Specialized Course for Faculty of S & E	Analog Electronic Circuits			2
	International Education	Thesis Research and Preparation		3	3		Specialized Course for Faculty of S & E	Engineering Materials			2
							Specialized Course for Faculty of S & E	Computer Networks			2
							Specialized Course for Faculty of S & E	Artificial Intelligence			2
							Specialized Course for Faculty of S & E	Practice to Soft Path Science and Engineering			2
							Specialized Course for Faculty of S & E	AI Fundamentals and Exercises			2
							Specialized Course for Faculty of S & E	Media Systems			2
							Specialized Course for Faculty of S & E	Advanced Computer Engineering Laboratory			2
							Specialized Course for Faculty of S & E	Hardware Design and Exercises			2
							Specialized Course for Faculty of S & E	Software Design and Exercises			2
							Specialized Course for Faculty of S & E	Programming Language and Exercises			2
							Specialized Course for Faculty of S & E	Programming Language and Exercises 1/2			2
							Specialized Course for Faculty of S & E	Computer Architecture			2
							Specialized Course for Faculty of S & E	Mathematics and Data Science Fundamentals and Exercises			2
							Specialized Course for Faculty of S & E	Logic Circuits			2
							Specialized Course for Faculty of S & E	Selected Topics in Computer and Information Science			2
							Course for Graduate School	Interactive Graphics			2
							Course for Graduate School	Formal Languages and Automata			2
					Course for Graduate School	Advanced Topics in Data Mining			2		
					General Education	Comprehensive English 1 (Elementary)			1	1	
					International Education	Iwate Studies A/B		Taught in English	2	2	
					International Education	Japanese History A/B		Taught in English	2	2	
					Select courses from Courses for International Exchange, General Education Courses or Specialized Courses according to individual specialties and areas of interest.						

2-2. Product Design and Information Design Course, Iwate Science and Engineering Research Program (Subjects taken by the exchange students in the past) \*After Reorganization of April 2025

Area	Course Category	Subject Name	Remarks	Credit 1st	Credit 2nd	Area	Course Category	Subject Name	Remarks	Credit 1st	Credit 2nd	
Japanese (Minimum 1 credit)	International Education	Elementary Japanese General		1	1	Elective Courses of this Program (Minimum 3 credits)	Specialized Course for Faculty of H & S	Training in International Issues (Art)			2	
	International Education	Elementary Japanese General Kanji		1	1		Specialized Course for Faculty of H & S	Introduction to Design B			2	
	International Education	Elementary Japanese 1 Writing & Reading		1	1		Specialized Course for Faculty of H & S	Practicum in Formative Art (Design) E/F			2	2
	International Education	Elementary Japanese 1 Grammar		1	1		Specialized Course for Faculty of H & S	Practical Seminar in Art (Design) C/D			2	2
	International Education	Elementary Japanese 1 Conversation		1	1		Specialized Course for Faculty of H & S	Practicum in Formative Art (Design) A/B/C/D			2	2
	International Education	Elementary Japanese 2 Grammar		2	2							
	International Education	Elementary Japanese 2 Conversation		1	1							
	International Education	Elementary Japanese 2 Kanji		1	1							
	International Education	Intermediate Japanese 1 Grammar 1		1	1							
	International Education	Intermediate Japanese 1 Grammar 2		1	1							
	International Education	Intermediate Japanese 1 Conversation		1	1							
	International Education	Intermediate Japanese 1 Writing		1	1							
	International Education	Intermediate Japanese 1 Reading		1	1							
	International Education	Intermediate Japanese 1 Kanji		1	1							
	International Education	Intermediate Japanese 2 Conversation		1	1							
	International Education	Intermediate Japanese 2 Writing		1	1							
	International Education	Intermediate Japanese 2 Grammar		1	1							
	International Education	Intermediate Japanese 2 Kanji		1	1							
	International Education	Intermediate Japanese 2 for JLPT	JLPT N2	1	1							
	International Education	Intermediate Japanese 2 Reading		1	1							
	International Education	Intermediate Japanese 2 Listening		1	1							
	International Education	Intermediate Japanese 2 Grammar B		1	1							
	International Education	Advanced Japanese Business		1	1							
International Education	Advanced Japanese for Academic	JLPT N1	1	1								
International Education	Advanced Japanese Kanji		1	1								
International Education	Advanced Japanese Conversation		1	1								
General Education	Advanced Japanese A/E (Aural Communication)		1	1								
General Education	Advanced Japanese B/F (Academic Writing)		1	1								
General Education	Advanced Japanese C/G (JSP for Social Science)		1	1								
General Education	Advanced Japanese D/H (Academic Reading)		1	1								
Research (Minimum 2 credits)	International Education	Product and Research Presentation(as "Independent Studies")		2	2	Elective Courses (Minimum 1 credit)	Course for Graduate School	Product Design			2	
	International Education	Art Research 1 (undergraduate)		2	2		Course for Graduate School	Collaborative Design Project			2	
	International Education	Art Research 2 (undergraduate)		2	2		Specialized Course for Faculty of H & S	Practicum in Formative Art (Ceramics) 1/2			1	1
	International Education	Art Research 3 (undergraduate)		2	2		Specialized Course for Faculty of H & S	Practical Seminar in Art (Ceramics) 1/2			2	2
	International Education	Art Research 4 (undergraduate)		2	2		Specialized Course for Faculty of H & S	Practicum in Formative Art (Printmaking) 2			1	1
	International Education	Art Special Research 1 (graduate)		2	2		Specialized Course for Faculty of H & S	Practical Seminar in Art (Printmaking) 2			2	2
	International Education	Art Special Research 2 (graduate)		2	2		Specialized Course for Faculty of H & S	Practicum in Formative Art (Printmaking) E/F			1	1
	International Education	Art Special Research 3 (graduate)		2	2		International Education	School Internship 1/2	Taught in English		2	2
International Education	Art Special Research 4 (graduate)		2	2								

