Changes of examination contents from 2019 Entrance Examination.

The examination contents of the following departments are changed as listed below from 2019 Entrance Examination.

Department

Mechanical Systems Engineering
Finemechanics
Robotics
Aerospace Engineering
Quantum Science and Energy Engineering

Admission

Master's Program：Regular Program for Incoming Students from Other Schools,
Graduate students at September,
Foreign Students

Doctoral Program：Regular Program for Incoming Students from Other Schools,
Foreign Students

Department	Test Subjects	Description
Mechanical Systems Engineering Finemechanics Robotics Aerospace Engineering	English	At the time of application, submit an original TOEFL®Test or TOEIC®Score sheet no older than two years before the entrance exam. Students whose native tongue is English should contact the department individually.
	Math A (mandatory)	Differential and Integral Calculus, Linear Algebra, Vector Analysis
	Math B (mandatory)	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms
	Specialized subjects (elective)	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering *Choose any two of the above listed five specialized subjects. The choice of subjects must be notified in advance through the department office.
	Interview	As before
Quantum Science and Energy Engineering	English	At the time of application, submit an original TOEFL®Test or TOEIC®Score sheet no older than two years before the entrance exam. Students whose native tongue is English should contact the department individually.
	Math A (mandatory)	Differential and Integral Calculus, Linear Algebra, Vector Analysis

	Math B (mandatory)	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms
	Specialized subjects (elective)	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics *Choose any two of the above listed eight specialized subjects. The choice of subjects must be notified in advance through the department office.
	Interview	As before

(Master's Program：Special Selection Program for Working Adults)

Department	Test Subjects	Description	
Mechanical Systems Engineering Finemechanics Robotics Aerospace Engineering	Math A (elective)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	Choose any two of the seven subjects (Math A, Math B, and five specialized subjects). The choice of subjects must be notified in advance through the department office
	Math B (elective)	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering	
	Interview	As before	
Quantum Science and Energy Engineering	Math A (elective)	Differential and Integral Calculus, Linear Algebra, Vector Analysis	Choose any two of the ten subjects (Math A, Math B, and eight specialized subjects). The choice of subjects must be notified in advance through the department office.
	Math B (elective)	Ordinary Differential Equations, Partial Differential Equations, Fourier Series and Fourier Transforms, Laplace Transforms	
	Specialized subjects (elective)	Thermodynamics, Fluid Dynamics, Strength of Materials, Dynamics of Mechanical Systems, Control Engineering, Materials Science, Electromagnetics, Quantum Mechanics	
	Interview	As before	