

Degree Programs in Systems and Information Engineering

Educational purpose

The Degree Programs in Systems and Information Engineering cultivate researchers, university faculty members and highly specialized professionals who possess the ability to see from a higher global perspective and the diverse and flexible thinking ability in the interdisciplinary realms in which systems, information and society are merged and combined, as well as the ingenuity and inspiration to solve the complex and difficult problems in the real world under their leadership.

	Competences specified by the Degree Programs	Evaluation perspectives
Master's Program	1. Research ability: Basic knowledge and ability to set research tasks and carry out a research plan in the areas of systems and information engineering	① If research tasks in the areas of systems and information engineering were appropriately set ② If there are basic skills to conduct research in the areas of systems and information engineering ③ If substantial findings were achieved by carrying out research in the areas of systems and information engineering
	2. Specialized knowledge: Advanced specialized knowledge and command of the areas of systems and information engineering	① If basic specialized knowledge in the areas of systems and information engineering is retained ② If advanced specialized knowledge in specific areas of systems and information engineering is gained and command is possessed
	3. Ethical view: Ethical view and ethical knowledge appropriate for persons with basic research ability or highly specialized professionals in the area of engineering	① If researcher ethics and technician ethics were understood and observed
Doctoral Program	1. Research ability: Ability to set leading-edge research tasks based on up-to-date specialized knowledge and carry out a research plan independently in the areas of systems and information engineering	① If leading-edge research tasks in the areas of systems and information engineering were appropriately set and there are advanced skills to conduct the research ② If original findings were achieved by carrying out leading-edge research in the areas of systems and information engineering
	2. Specialized knowledge: Leading-edge and advanced specialized knowledge and command of the areas of systems and information engineering	① If specialized knowledge in the areas of systems and information engineering is extensively retained ② If leading-edge and advanced specialized knowledge in specific areas of systems and information engineering is gained and put into practice for research and problem solution

Doctoral
Program

3. Ethical view: Ethical view and ethical knowledge appropriate for researchers or highly specialized professionals in the area of engineering and deep ethical knowledge about the specific area of expertise

- ① If researcher ethics and technician ethics were understood and observed
② If procedures about researcher ethics and technician ethics necessary at the time of research were fully understood