

# THREE EDUCATIONAL POLICIES

of the Information Science and Technology Program

# 1. Diploma Policy (Policy on Academic Degree Conferment)

Graduates are expected to:

- Acquire advanced specialized knowledge and skills in information science and technology that support the creation of sustainable and prosperous regional communities, while contributing to the advancement of digital transformation (DX).
- Develop a deep mastery of fundamental and universal knowledge in information science and technology, along with the ability to communicate and apply this knowledge effectively to others. (Information infrastructure skills)
- Cultivate the ability to independently engage in application development, system design, research, production, and other processes related to information systems from a broad perspective. (Information infrastructure skills)
- Apply advanced knowledge in information science, information technology, and data science, to solve problems, make informed decisions, generate new value, and implement these outcomes in society. (Social implementation skills)

## 2. Curriculum Policy (Curriculum to Achieve Educational Objectives)

The curriculum of the program is designed to:

- Provide courses that build advanced specialized knowledge in basic information science and technology, grounded in information mathematics and fundamental information theory.
- Provide courses that foster advanced expertise in the applied fields of information science and technology, including image processing and perceptual information processing.
- Offer courses that develop the knowledge and skills required for the creative and practical application of information science and technology.

# 3. Admission Policy

The program seeks applicants who:

- Possess fundamental academic abilities necessary for studying information engineering, including information mathematics and fundamental information theory.
- Are motivated to take on the challenge of developing advanced systems that connect “people” and “things,” grounded in information engineering.
- Hold strong interest and desire to contribute to regional communities through information engineering.