

# Faculty of Informatics and Data Science

The Faculty of Informatics and Data Science offers a comprehensive education in informatics and data science to “digital talent.” Students will be able to use the information technology knowledge and data analysis skills they acquire to solve various problems and create and implement new value. This is a unique faculty whose fields of application and research subjects in informatics and data science include not only informatics-related areas such as human-centered computing and data science, but also the field of robotics that supports human life. We accept both humanities and science students from high school, and develop human resources who can contribute to the development of a digital society by utilizing information technology and data science in their areas of expertise.

## Structure of Faculty (single department) Department of Informatics and Data Science

The Faculty of Informatics and Data Science consists of one department, the Department of Informatics and Data Science. The curriculum, which allows students to specialize in informatics and data science, has the following three distinctive features:

### 1. Systematic learning of informatics and data science<sup>\*1</sup>

Students can systematically study computer science and network-related subjects related to informatics, as well as subjects related to data science, based on mathematics and English.

### 2. Fostering entrepreneurship<sup>\*2</sup>

Entrepreneurship is the spirit of accepting rapid change in the social environment and creating new value. In order to equip students with these skills, in addition to mathematics, the faculty offers basic education in social sciences such as “Digital society and fundamentals of corporate

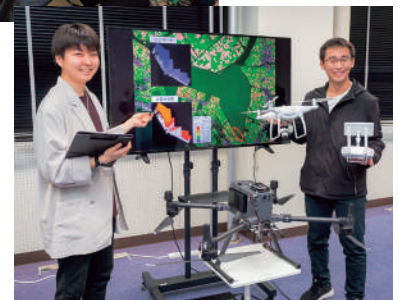
management” and “e-business fundamentals.” Students will need this kind of knowledge when they graduate and enter society. They also develop practical skills through problem-solving classes related to digital society PBL (Project Based Learning) subjects.

### 3. Education in the fields of informatics and data science<sup>\*3</sup>

Students can choose to study the subject of their choice from three fields: “Human-Centered Computing,” which deals with human-centric information technology; “Disaster Prevention and Energy Information,” which deals with creating safe and secure communities; and “Intelligent Robotics,” which deals with supporting human motion in our daily lives.



(Human-Centered Computing research) Development of VR simulators for the evaluation of driving behavior and the prevention of traffic accidents.



(Human-Centered Computing research) Drone-shot aerial photography of Lake Hachiroko and analysis of water quality distribution

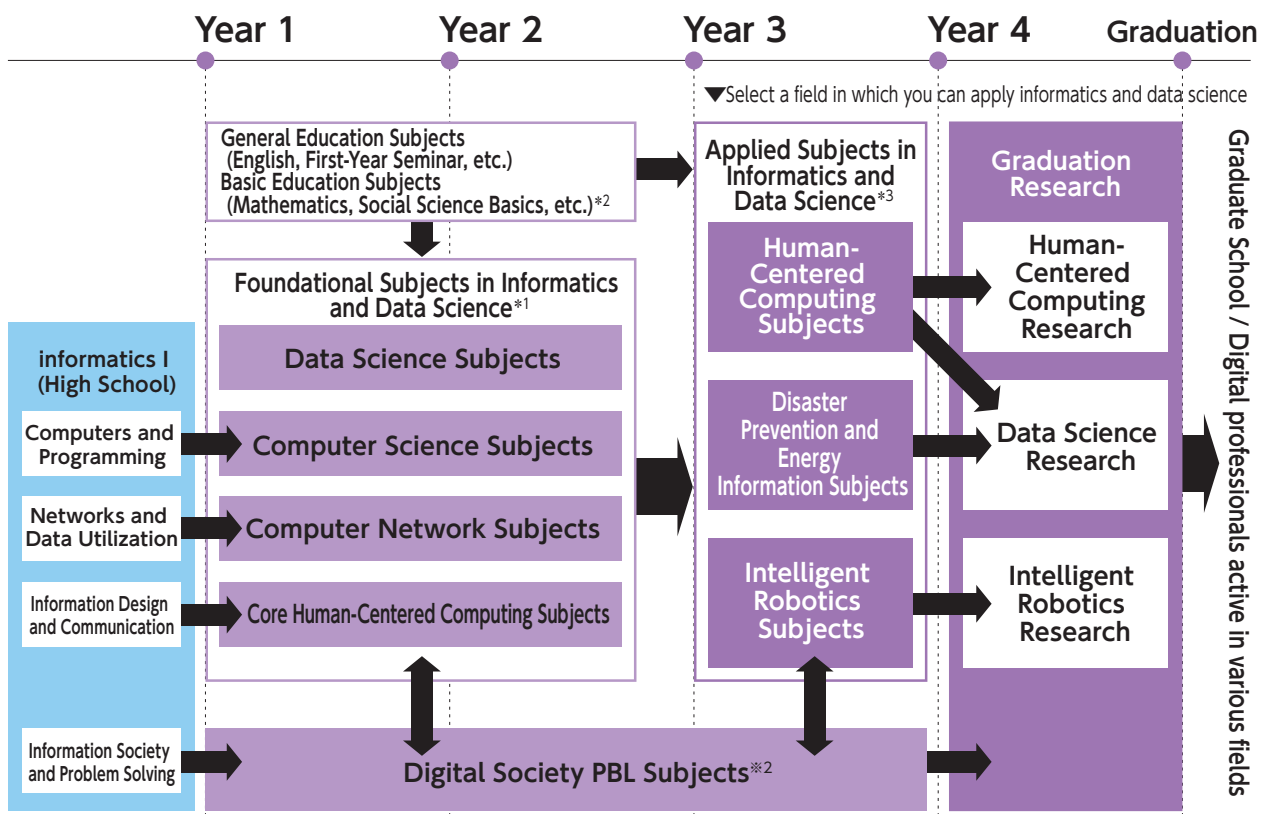


Figure: Curriculum overview