

## **Diploma Policy of the Graduate School of System Informatics**

### **Master's Program**

The Master's Program at the Kobe University Graduate School of System Informatics aims to develop individuals with a wide spectrum of specialized knowledge and interdisciplinary thinking skills, especially highly-creative professionals capable of leveraging multiple perspectives in order to solve problems in emerging and/or multi-disciplinary fields in a "super-smart society."

In order to achieve this goal, the graduate school awards a master's degree in accordance with the following policies.

### **Degree: Master of System Informatics**

#### **Department of Systems Science**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics awards academic degrees in accordance with the policies described below.

- Students must obtain at least the minimum credits specified in the Graduate School of System Informatics' Rules, and pass the examination of their master's thesis.
- Prior to graduating, students of the graduate school are expected to acquire the following skills in addition to the abilities set out in the Kobe University Diploma Policy:
  - The ability to acquire the specialist knowledge essential to System Informatics in general and apply it in practice.
  - The ability to understand the basic approaches in the Systems Science field.
  - The ability to solve problems from a System Informatics point of view, with the progressive and highly specialized perspectives particular to the Systems Science field.
  - The ability to identify and understand issues from interdisciplinary perspectives.

#### **Department of Information Science**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics awards academic degrees in accordance with the policies described below.

- Students must obtain at least the minimum credits specified in the Graduate School of System Informatics' Rules, and pass the examination of their master's thesis.
- Prior to graduating, students of the graduate school are expected to acquire the following skills in addition to the abilities set out in the Kobe University Diploma Policy:
  - The ability to acquire the specialist knowledge essential to System Informatics in general and apply it in practice.
  - The ability to understand the basic approaches in the Information Science field.

- The ability to solve problems from a System Informatics point of view, with the progressive and highly specialized perspectives particular to the Information Science field
- The ability to identify and understand issues from interdisciplinary perspectives.

### **Department of Computational Science**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics awards academic degrees in accordance with the policies described below.

- Students must obtain at least the minimum credits specified in the Graduate School of System Informatics' Rules, and pass the examination of their master's thesis.
- Prior to graduating, students of the graduate school are expected to acquire the following skills in addition to the abilities set out in the Kobe University Diploma Policy:
  - The ability to acquire the specialist knowledge essential to System Informatics in general and apply it in practice.
  - The ability to understand the basic approaches in the Computational Science field.
  - The ability to solve problems from a System Informatics point of view, with the progressive and highly specialized perspectives particular to the Computational Science field.
  - The ability to identify and understand issues from interdisciplinary perspectives.

### **Degree: Master of Engineering**

#### **Department of Systems Science**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics awards academic degrees in accordance with the policies described below.

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- Prior to graduating, students of the graduate school are expected to acquire the following skills in addition to the abilities set out in the Kobe University Diploma Policy
  - The ability to acquire the specialist knowledge essential to System Informatics in general and apply it in practice.
  - The ability to understand the basic approaches in the Systems Science field.
  - The ability to solve problems from an Engineering point of view, with the progressive and highly specialized perspectives particular to the Systems Science field.
  - The ability to identify and understand issues from interdisciplinary perspectives.

#### **Department of Information Science**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics

awards academic degrees in accordance with the policies described below.

- Students must obtain at least the minimum credits specified in the Graduate School of System Informatics' Rules, and pass the examination of their master's thesis.
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  - The ability to acquire the specialist knowledge essential to System Informatics in general and apply it in practice.
  - The ability to understand the basic approaches in the Information Science field.
  - The ability to solve problems from an Engineering point of view, with the progressive and highly specialized perspectives particular to the Information Science field.
  - The ability to identify and understand issues from interdisciplinary perspectives.

### **Department of Computational Science**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics awards academic degrees in accordance with the policies described below.

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  - The ability to understand the basic approaches in the Computational Science field.
  - The ability to solve problems from an Engineering point of view, with the progressive and highly specialized perspectives particular to the Computational Science field.
  - The ability to identify and understand issues from interdisciplinary perspectives.

### **Doctoral Program**

The aim of the Doctoral Program at the Kobe University Graduate School of System Informatics is for students to further develop and deepen the knowledge and skills acquired in the Master's Program. The purpose of this program is to develop individuals who can play a leading role in a "super-smart society," that is, researchers, faculty staff in higher education and research institutions, and advanced professionals who are highly competent in identifying, exploring, and solving problems. Graduates of the Doctoral Program will possess a high level of creativity and an international outlook which will enable them to contribute towards the creation of new knowledge and value.

In order to achieve these objectives, doctoral degrees are conferred in accordance with the

following policies:

## **Degree: Doctor of Philosophy in System Informatics**

### **Department of Systems Science**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics awards these academic degrees in accordance with the policies described below.

- Students must obtain at least the minimum credits specified in the Graduate School of System Informatics' Rules, and pass the viva and examination of their doctoral thesis.
- Prior to graduating, students of the graduate school are expected to acquire the following skill in addition to the abilities set out in the Kobe University Diploma Policy:
  - The ability to identify issues and solve problems from a System Informatics point of view, with advanced perspectives in the Systems Science field.

### **Department of Information Science**

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- Prior to graduating, students of the graduate school are expected to acquire the following skill in addition to the abilities set out in the Kobe University Diploma Policy:
  - The ability to identify issues and solve problems from a System Informatics point of view, with advanced perspectives in the Information Science field.

### **Department of Computational Science**

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- Prior to graduating, students of the graduate school are expected to acquire the following skill in addition to the abilities set out in the Kobe University Diploma Policy:
  - The ability to identify issues and solve problems from a System Informatics point of view, with advanced perspectives in the Computational Science field.

## **Degree: Doctor of Philosophy in Engineering**

### **Department of Systems Science**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics awards academic degrees in accordance with the policies described below.

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  - The ability to identify issues and solve problems from an Engineering point of view, with advanced perspectives in the Computational Science field.

## **Degree: Doctor of Philosophy**

### **Department of Systems Science**

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awards academic degrees in accordance with the policies described below.

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- Prior to graduating, students of the graduate school are expected to acquire the following skill in addition to the abilities set out in the Kobe University Diploma Policy:
  - The ability to identify issues and solve problems from an interdisciplinary point of view, with advanced perspectives in the Computational Science field.

### **Degree: Doctor of Philosophy in Computational Science**

#### **Department of Computational Science (Computational Science Intensive Course)**

Based on the Kobe University Diploma Policy, the Graduate School of System Informatics awards academic degrees in accordance with the policies described below.

- Students must obtain at least the minimum credits specified in the Graduate School of System Informatics' Rules, and pass the viva and examination of their doctoral thesis.
- Prior to graduating, students of the graduate school are expected to acquire the following skills

in addition to the abilities set out in the Kobe University Diploma Policy:

- The ability to identify issues and solve problems from advanced perspectives in the Computational Science field.
- The ability to make full use of high-performance computers in order to explore, develop and apply innovative scientific technology.