

# Courses:

## Cultural Creation Course

### Areas of Study:

#### Humanities

- Geography, History, etc.

#### Educational Development and Cultural and Regional Studies

- Rural Sociology, Cultural Anthropology, etc.

#### Arts and Science Education

- Physical Geography

#### Integrated Arts and Sciences

- Tourism Geography

Students will acquire the fundamentals and methods to approach regional researches and expertise in global cultures, while developing the skills to create regional cultures by working to comprehensively resolve regional issues.

## Technical Creation Course

### Areas of Study:

#### Semiconductor Electronics & Integration Science

- Ultra-Small Device Engineering, Integrated Systems, etc.

#### Quantum Matter

- Optical Electronics

#### System Cybernetics

- Robotics, Systems Engineering, etc.

Students will acquire wide-ranging expertise, such as Semiconductor Electronics, System Engineering, and Sensory Information Processing, to develop the skills required to execute technology development that matches the needs of regional societies.

## Social Implementation Course

### Areas of Study:

#### Development Science

- Economics, Development Policy, Peace Studies, Transportation Planning, etc.

#### Civil and Environmental Engineering

- Structural Engineering, Water Environmental Engineering, etc.

Students acquire understandings of impacts and benefits of the science and technology on society, and expertise in planning and economics, to develop the skills to uncover and analyze compound regional issues and take the lead to implement resolutions in society.

## Financial Supports for Students:

Students enrolled in TAOYAKA Program will receive the following financial supports:

#### - Scholarship

#### - Financial Support

for conducting researches, presenting at academic conferences, participating in internship programs and other related activities to complete TAOYAKA Program.

## Professional Mentors:

Beyond the Industry-Government-Academia network that Hiroshima University has been in collaboration with, our program works with regional municipalities and Japanese collaborative organizations in the Chugoku and Shikoku regions. In the South Asia regions, we have collaborative networks of organizations and universities in India, Nepal, and Bangladesh.

### Industry-Government-Academia network with collaborative experiences

#### International cooperation network

JICA, START, JETRO, UNITAR, IGES, JBIC, LBJ School of Public Affairs - UT Austin, etc.

#### Semiconductor consortium

Micron Memory Japan, Inc., Semiconductor Technology Academic Research Center, Semiconductor Industry Research Institute Japan, Hitachi Techno, Kyocera Group, etc.

#### South Asia Regions

ICLEI South Asia, Indian Institute of Technology Delhi, Alternative Energy Promotion Centre (AEPIC) Ministry of Environment, Science and Technology Government of Nepal

## Academic mentors:

Major departments in the program:

#### ■ The Graduate School of Letters

- Division of Humanities

#### ■ The Graduate School of Integrated Arts and Sciences

- Department of Integrated Arts and Sciences

#### ■ The Graduate School of Education

- Program in Arts and Science Education

#### ■ The Graduate School for International Development and Cooperation

- Division of Development Science

- Division of Educational Development and Cultural and Regional Studies

#### ■ The Graduate School of Advanced Sciences of Matter

- Department of Semiconductor Electronics & Integration Science

- Department of Quantum Matter

#### ■ The Graduate School of Engineering

- Department of System Cybernetics

- Department of Civil and Environmental Engineering

Research Centers providing supports:

- The Center for Contemporary India Studies at Hiroshima University

- The Hiroshima International Center for Environmental Cooperation

- The HiSIM Research Center

- The Hyper Human Technology Project Research Center

## Application for Admission:

for up-to-date application information  
including application deadlines, please  
visit our website:



<http://taoyaka.hiroshima-u.ac.jp/english>

## Contact:

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## Continuous Master's / Doctoral Degree Program

at Hiroshima University, JAPAN

# TAOYAKA Program

for creating a flexible, enduring, peaceful society

*Become Future Global Leaders  
through On-site Education Focusing on  
Disadvantaged regions in both  
developing and advanced nations*

and

*Initiate Reverse Innovation  
as a culture-driven innovation  
originating in regional areas*

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HIROSHIMA UNIVERSITY

# TAOYAKA Program

offers interdisciplinary educational opportunities to develop young global leaders who can contribute to the realization of multicultural coexistence. A wide range of interdisciplinary coursework on campus is integrated with intensive on-site experience in disadvantaged areas in both developed and developing countries - with special emphasis on improving lives by deeply understanding the regional societies and cultures, developing proper technologies, and implementing these to resolve problems that disadvantaged regions confront while working closely with the regions.

We define Taoyaka society as one that is

## Flexible:

where various issues can be addressed in a flexible manner

## Enduring:

that is enduring, as culture is handed down and created

## Peaceful:

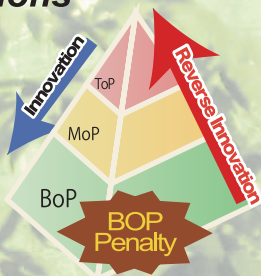
where people may live with peace of mind.

## Feature of Program

### Onsite Reverse Innovation from Disadvantaged Regions

State-of-the-art science and technology developed in advanced nations have the potential to change dramatically not only advanced nations but also societies in developing nations as well.

Onsite reverse innovation is comprised of reverse innovation that functions in the opposite direction of conventional innovations - it is a means to overcome the issues faced by disadvantaged regions based on those regions' unique cultures and social systems that have grown diversely over time and space.



## Curriculum:

# Future Global Leaders and Innovators

