

# KOICA-Hanyang Ph.D. Program in Digital Innovation

August 25, 2022 – December 22, 2023

Ansan & Seongnam, Republic of Korea

**KOICA**

Korea International Cooperation Agency



**HANYANG UNIVERSITY**

Hanyang University ERICA

*\*Participants are strongly advised to thoroughly read and follow the provided instructions in the Program Information.\**

# Contents

PART I. PROGRAM OVERVIEW .....	1
PART II. PROGRAM CONTENTS .....	3
PART III. TRAINING INSTITUTE .....	6
PART IV. ACADEMIC REGULATIONS .....	13
PART V. REQUIRED DOCUMENTS .....	14
PART VI. PRECAUTIONS .....	15
PART VII. CONTACTS .....	16

# I . PROGRAM OVERVIEW

■ Program Title: KOICA-HANYANG Ph.D. Program in Digital Innovation

■ Duration

- Stay duration: August 25, 2022 ~ June 23, 2025 (34 months)

During the 34 months at Hanyang, students are strongly recommended to complete their thesis.

- Academic duration: September 1, 2022 ~ June 20, 2025 (34 months)

■ Degree: Ph.D. in Applied Artificial Intelligence (Major in Digital Innovation)

■ Objectives

- 1) To foster global leaders for a digital transformation
- 2) To foster world-class scholars in digital innovation
- 3) To increase the human network capability as well as administrative capacity and management capability from developing countries

■ Training Institute: Hanyang University ERICA

■ Number of Participants: 3 government officials

■ Language: English fluency that requires no translation

■ Accommodations

- On-campus accommodations guaranteed to international scholarship holders
- Twin room with a bathroom (2 students share a room)
- A private bed, desk, bookshelf, closet provided for each person
- Shared laundry room in each building
- Facilities (store, food court, sport field, cafe, study room, karaoke, etc.) in residence halls
- Multi-lingual staff and RAs reside within the residence hall

## II. PROGRAM CONTENTS

### 1. ACADEMIC SCHEDULE

Session	Date (YYYY.MM.DD)	Contents / Remarks
Preparatory Session	2022.8.7	Arrival, KOICA Orientation(online)
Pre - Course	2022.8.25-8.31	Orientation and Pre-University Program
Fall Semester (1st semester)	2022.9.1-12.21	Fall semester (1 <sup>st</sup> semester)
Winter Vacation	2022.12.21-2023.2.28	Seminars or Korean language lecture
Spring Semester (2nd semester)	2023.3.2-6.18	Spring semester (2 <sup>nd</sup> semester)
Summer Vacation	2023.6.19-9.1	Seminars or Korean language lecture
Fall Semester (3rd semester)	2023.9.4-12.22	Fall semester (3 <sup>rd</sup> semester)
Spring Semester (4th semester)	2024.3.4-6.21	
Summer Vacation	2024.6.24-8.30	
Fall Semester (5th semester)	2024.9.2-12.20	Research Semester
Winter Vacation	2024.12.21-2025.3.2.	
Spring Semester (6th semester)	2025.3.3-6.20	Research Semester
Wrap-up Session	May-June, 2025	Final Oral Defense Presentation
	2025.6.23	Farewell Ceremony
	2025.6.23	Departure

\*The above schedule is subject to change.

\*\*A detailed Program Schedule will be provided upon arrival.

## 2. CURRICULUM

### 1) Curriculum & Credits

- Credits required to complete the Ph.D. program: 38 credits

Type		Type	Course Title	Hour	Credit
Pre-Course (3)		-	Orientation	-	-
		-	Beginning Korean Language Course	30	-
		-	Academic Information Session	-	-
Summer/Winter		-	Intensive Korean Language Course	80	-
Mandatory		Electives	HYPER Hanyang**	16	1
		Electives	Research Design	48	3
		Required	Master's Thesis Study	-	2
		Electives	Digital Based Business Management	48	3
		Electives	Digital production management and manufacturing	48	3
		Electives	Digital Policy and Technology	48	3
DNA Ecological Reinforcement	Select 7 (seven) courses	Electives	Big Data and Artificial Intelligence	48	3
		Electives	Internet of Things: Connectivity, System, and Applications	48	3
		Electives	Blockchain and Information Security	48	3
		Electives	IoT Practice and Field Application	48	3
SOC Digitalization		Electives	Environmental Technologies in Buildings	48	3
		Electives	Digital Transportation and Logistics	48	3
		Electives	Digital Twin and Virtual/Augmented/Mixed Reality User Interface	48	3
		Electives	Smart City Present and Future	48	3

\* The above curriculum is subject to change.

\*\* Hyper Hanyang is an online course which covers research ethics, research method, leadership and career development

### 2) Graduation Requirements.

- Complete 38 credits or above including all mandatory & required courses
- Thesis Submission Qualification Exam
- Submission and Qualification of Thesis
- English or Korean Language Proficiency Test (Can be replaced with official language test score as follows. TOEIC 730, TOEFL IBT 79, IELTS 6.0, TOPIK Level 4, etc.)

### 3. EXTRACURRICULAR ACTIVITIES (TENTATIVE)

#### ➤ Orientation for International Students

Introduction to life on campus (Visa, Insurance, Academic Info, Facilities, etc.)



#### ➤ Buddy Programs

- Buddy Program for Freshmen & 1:1 Korean Tutoring Program
- Each student is assigned one Hanyang student who assist the international student to adjust to the new culture and environment in Korea
- International students can also participate in many various events and activities, and



are provided with opportunities to network and build friendships

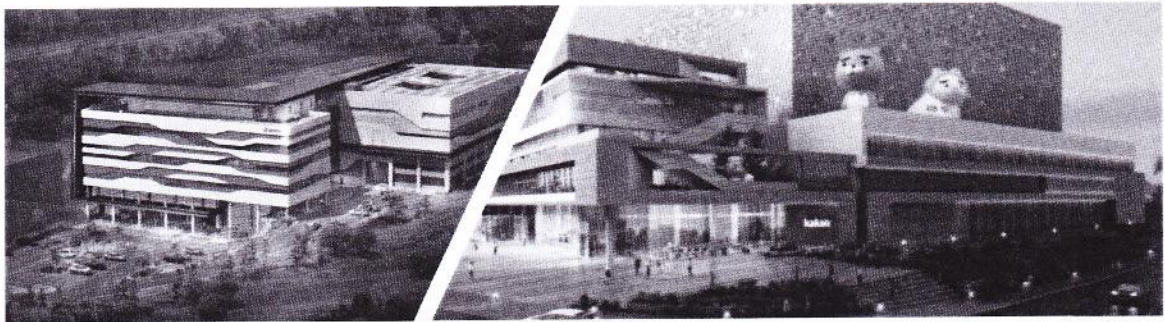
➤ **Cultural Activities**

Various activities help students to learn about Korean culture



➤ **Field Trip & Industrial Visit**

Diverse learning-based, and a fabulous range of industries across different sectors (e.g. Kakao, LG Innotek, KITECH, Techno Park, etc.)



## III. TRAINING INSTITUTE

### 1. GENERAL INFORMATION

#### 1) About the University

##### 'The New Standard for Education Research and Industry Collaboration'

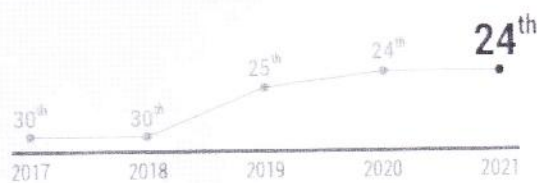
ERICA stands for **E**ducation-**R**esearch-**I**ndustry-**C**luster-at **A**nsan and represents a successful model for industry cooperation with outstanding talent to bring about innovators and leaders who are needed in global society. Hanyang University ERICA is setting the standard for specialized universities that seek to combine their research centers with businesses, working together to educate and provide on-hands training. ERICA is recognized as the most active industry-cooperation university in Korea.

#### QS World University Rankings

2021 QS Global University Ranking



2021 QS Asia University Ranking



#### Status of Hanyang University ERICA (As of Oct. 2021)

9

Colleges

50

Departments (Undergraduate)

17

Graduate Schools (General : 1 + Professional : 6 + Specialized : 10)

11,052

Enrolled Students (Undergrad : 9,480 + Graduate : 1,265 + Specialized Graduate : 307)

71,000

Total Alumni

1,518

Number of International Students Annually  
(Undergrad: 1,289, Exchange Students: 39, Korean Language Course 190)

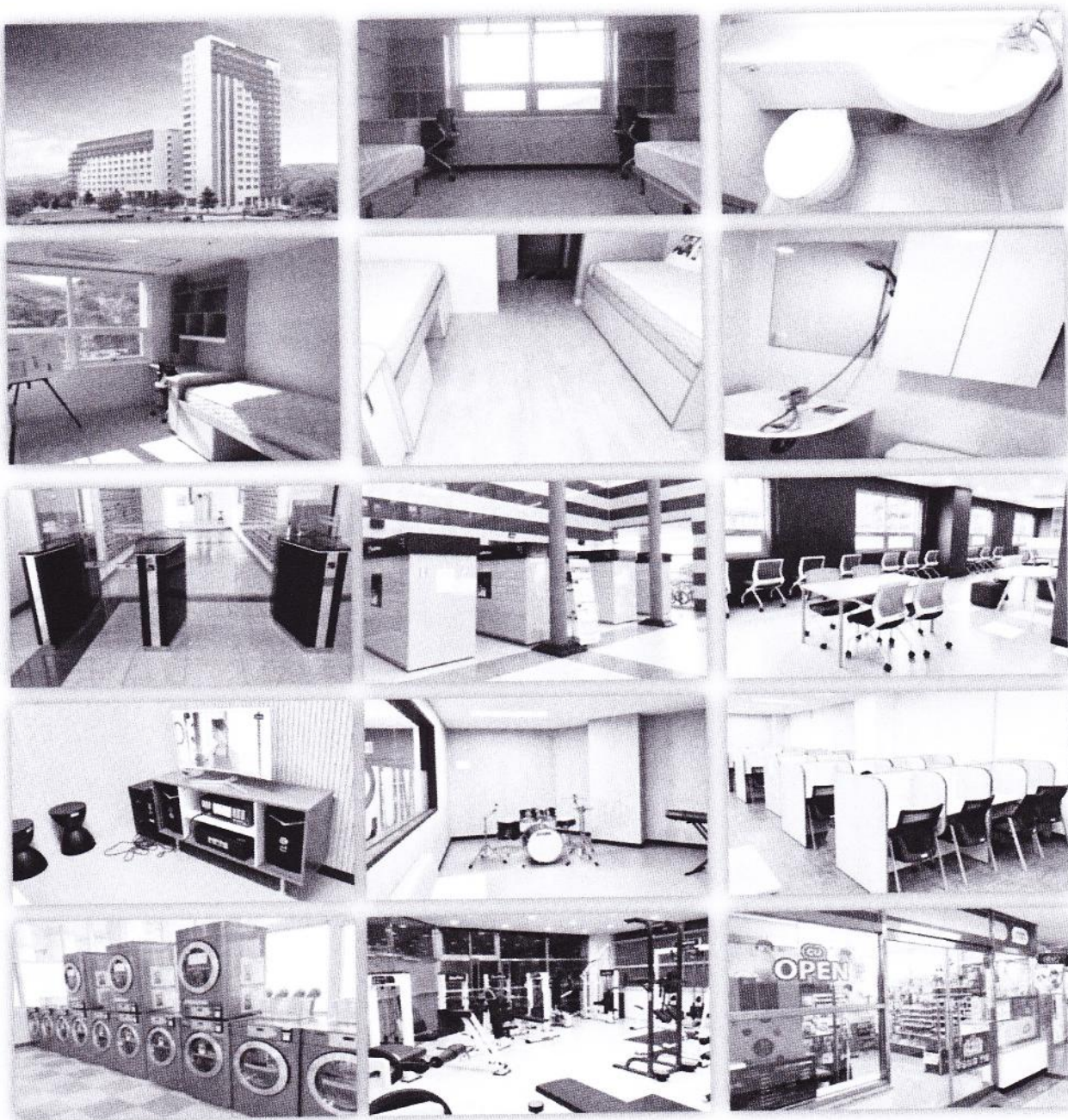
40 min

Distance to Seoul (subway/bus): ~40 minutes

2) Homepage: [www.hanyang.ac.kr/english](http://www.hanyang.ac.kr/english)

## 2. ACCOMMODATION

- The Hanyang University ERICA has a new residence hall which can accommodate approximately 3,000 students
- On-campus accommodations are guaranteed to international scholarship holders
- There are facilities for Muslim students within the accommodation (Muslim Kitchen and Prayer Room)
- There are various facilities (cafeteria, kitchen, gym, laundry room, convenience store, food court, sport field, cafe, study room, karaoke, etc.) within the residence halls
- Multi-lingual staff and RAs reside within the residence hall



### 3. OTHER INFORMATION

#### 1) Counseling Program

**Counseling Services**

**During Covid-19** **#StayConnected**

**Questions**  
P: 031-400-4917  
E: haybungung@hanyang.ac.kr

**Schedule an Appointment**  
Please check attached link below.

**Services**  
Monday-Friday 9AM-4PM  
English & Chinese  
Appointment (over)

- Individual Therapy
- Group Therapy
- Workshops
- Psych Assessments
- Telehealth (Online)

**QR Code for Appointment**

**“one step at a time”**

**#StayConnected**

Hanyang University ERICA GMA Counseling Services

Professional counselors help students to resolve their problems through Counseling Program. Two counsellors are dedicated to serving international students and offer counseling in 3 languages. (Korean, English, and Chinese)

#### 1. Individual counseling

A professional counselor will help you with problems for which you do not have any solutions through regular one-to-one counseling

- Difficulties adapting to study abroad and college life
- Difficulties with study
- Problems with future career
- Problems with relationship with others
- Difficulties with family issues or personal problems
- Psychological or affective problems that students cannot resolve alone

#### 2. Group counseling

With a professional counselor you are able to talk with others who have similar problems, understand others, and resolve problems together with advisors

#### 3. Psychological testing

Psychological testing is an objective tool to inform you of individual psychological problems which you cannot understand and resolve in your daily life.

- Characteristics examination: MBTI, Holland
- Psychological/affective points: MMPI-2, SCT

#### 4. Contact: Office of International Affairs

- Location: (ERICA) Student Welfare Building 3<sup>rd</sup> floor, Global Lounge
- Tel.: 031-400-4917
- E-mail: jungwoooooo@hanyang.ac.kr

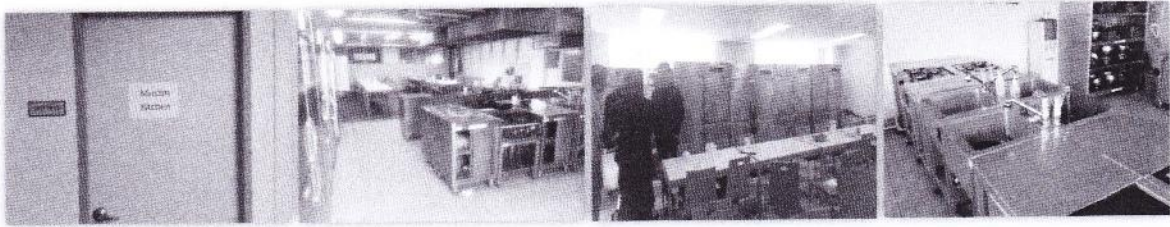
## 2) Student Facilities

- There are various facilities for students as below
- Cafeteria, Book Store, Stationery Store, Cafe, Convenience Store, Bank, Post-office, Fitness Center, Recreational Center, Souvenir Shop, etc.



#### 4) Facilities for Muslim Students

##### ➤ Muslim Kitchen



##### ➤ Prayer Rooms (three on campus)



#### 5) Global Lounge and Information Desk

- At the Information desk, student volunteers help international students in various fields and assist them to receive relevant service
- Students can use study room or take rest within the lounge



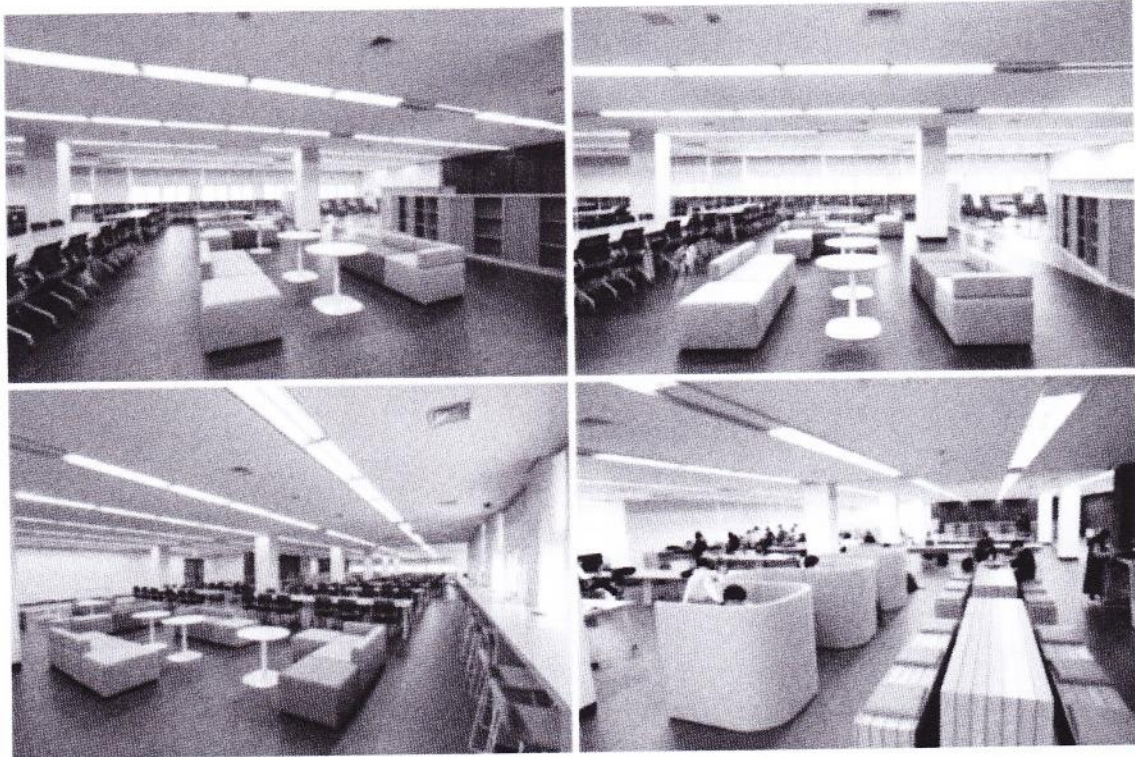
## 6) Library (Academic Information Center)

Library (Academic Information Center)

Room	Location	Semester		Vacation	
		Weekdays	Sat	Weekdays	Sat
Multispace & Electronic Information Centre	1st floor	09:00~17:00	Closed	10:00~17:00	Closed
Information Center / Korean Museum of Literature	2nd floor				
Borrowing / Return & Information Centre	3rd floor				
General Reading Room	2nd/4th floor	The 1st reading room : 08:00~24:00			
Group Study Room	4th floor	09:00~17:00			

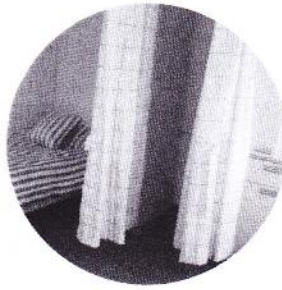
- Students can borrow books and academic materials from the library
- Access to international journals and academic materials available
- Website: <https://information.hanyang.ac.kr>
- Borrowing & Returning Policy

	Printed Materials		Non-printed Materials	
	Quantity	Duration	Quantity	Duration
Graduate Student	20	30 days	3	3 days
Undergraduate Student	10	14 days	3	3 days



## 7) Health Care

- All Hanyang ERICA students are insured by National and private Insurance Services
- There is a University Healthcare Center in the center of the campus which students can freely use with no charge
- Hanyang has two university hospitals where students can receive discounts upon request



Name	Type	Distance	Phone
<b>Ansan Sangnoksu Health Center</b>	Public Health Center	1.3km	1666-1234
<b>Danwon Hospital</b>	General Hospital	2.2km	031-8040-5911
<b>Hando Hospital</b>	General Hospital	6.6km	031-8040-1114
<b>Korea Univ. Medical Center Ansan</b>	University Hospital	3.5km	031-412-5381

## IV. ACADEMIC REGULATIONS

### 1. Attendance

Hanyang has a strict academic regulation that class attendance of at least 80% is required to earn a passing grade. As it is an intensive short-term study program, attendance takes a very important part in evaluation for the course and students who are absent more than three classes can be given an "F" grade for the course. If there are any inevitable excuses such as health problems, students should inform the professor prior to class and submit the proof documents later.

### 2. Course Load

At Hanyang University one (1) credit equals fifteen (15) contact hours. All academic courses are three (3) credits each with total of forty-five (45) contact hours. All elective courses are one (1) credit each with total of fifteen (15) contact hours.

	Hanyang Credits	Contact hours
Academic Course	3 Credits	45 hours
Elective Course	1 Credit	15 hours

### 3. Course Availability

Except for only specific cases, a course will be cancelled if less than ten (10) students register for the course. If a course is cancelled under the minimum student's number policy, we will immediately contact students and ask them to consult with us regarding alternate course registration.

All courses have limited number of slots available and it will be reserved on first-come and first-served basis. It is strongly recommended to think of plan B with course registration in case students are not able to register specific courses they primary desire due to the limited seats or course cancellation.

### 4. Grading Policy

The student's academic performance is assessed according to five different criteria written in each course syllabus. All courses will be graded on an absolute evaluation basis and grades will be marked as "A+, A0" to "F" scale on the transcript.

Letter Grade	Numerical Value	Grade Point
A+	95-100	4.5
A0	90-94	4.0
B+	85-89	3.5
B0	80-84	3.0
C+	75-79	2.5
C0	70-74	2.0
D+	65-69	1.5
D0	60-64	1.0
F	0-59	0.0

## **VII. CONTACTS**

### **1. CONTACT INFORMATION**

#### **1) Hanyang University ERICA**

· **Program Manager : Dr. Yong Han Ahn**

- Phone : +82-31-400-5127

- E-mail : [yhahn@hanyang.ac.kr](mailto:yhahn@hanyang.ac.kr)

· **Training Coordinator : Dr. Hwan Yong Kim**

- Phone : +82-31-400-5135

- E-mail : [hwankim@hanyang.ac.kr](mailto:hwankim@hanyang.ac.kr)

· **Administrative Assistant : Mr. Jungpyo Hong**

- Phone : +82-31-400-4866

- E-mail : [jphong1990@hanyang.ac.kr](mailto:jphong1990@hanyang.ac.kr)

#### **2) General requests regarding application process**

· **E-mail : [koica.sp@koworks.org](mailto:koica.sp@koworks.org)**

\*The schedule in this PI (Program Information) is subject to change according to the KOICA and Hanyang University ERICA's schedule.

\*The schedule in PI (Program Information) is changeable according to the KOICA and Hanyang University Schedule.

## V. REQUIRED DOCUMENTS

All documents should be submitted to the regional KOICA office or the relevant government office.

### 1. REQUIRED BY KOICA KOICA

Application form for the KOICA Fellowship program

### 2. REQUIRED BY Hanyang University ERICA

- Personal Statement and Study Plan
- Bachelor's Degree Certificate (Original Apostille or Consular Authentication required)
- Official Transcript of Bachelor's Degree (Original Apostille or Consular Authentication required)
- Master's Degree Certificate (Original Apostille or Consular Authentication required)
- Official Transcript of Master's Degree (Original Apostille or Consular Authentication required)
- Copies of Passports for the applicant and parents
- Original official document for proving the family relations between the applicant and his/her parents (Original notarized translation required unless documents are in Korean or English)
- (Optional) Certificate of English Proficiency Test if available (TOEFL iBT or IELTS)

※ All documents should be sent to the KOICA Overseas Office or the relevant government office.

※ Please do not directly send the materials to Hanyang University.

※ All documents (Diplomas, Transcripts, Personal Statement, Recommendation Letters, etc.) must be original in English.

※ Online application on Hanyang's website is required after being admitted from Hanyang in July

Please read Admission Guidebook carefully (<http://studyERICA.hanyang.ac.kr>)

## VI. PRECAUTIONS

- ▣ **Possibility of Online Program** : according to arising circumstances due to the spread of COVID-19 and public health regulations thereof, the academic program within this PI may be moved online; in accordance with academic regulations of each training institute, blended learning (or hybrid learning, a combination of online and face-to-face learning) may be implemented, pre-sessions included

  - In principle, even when the academic program is conducted online, participants must be physically present in Korea to participate (cannot participate in the program online from home country or outside Korea)
- ▣ **Early Departure** : due to various circumstances such as no operating flights or border closures, participants shall be required to depart Korea before the program end date

  - In such cases, part of the academic curriculum, thesis defense, or closing ceremony may be conducted online
- ▣ **Living Costs** : in principle, costs of living are provided per diem; that is, participants receive living costs per diem based on the actual date of departure

  - In case of early departure, living costs are received per diem based on the date of early departure, and NOT the anticipated departure date or program end date
- ▣ **COVID-19 Test Fees** : costs of COVID-19 testing required by quarantine regulations during the departure and arrival process are first incurred by the participant and later reimbursed via the Settlement Allowance and Scholarship Completion Grants
- ▣ **Adherence to Entry/Departure Guidelines** : any additional costs occurring due to the participant's failure to adhere to the entry/departure guidelines are the participant's own responsibility

  - Example) If the participant fails to provide a COVID-19 PCR test certificate on the date of arrival, or is delayed in arriving at the airport and fails to board the flight, any additional costs occurring thereof (flight change fees, etc.) is to be paid by the participant
- ▣ **Vaccination requirements** : participants are to individually check with the training institute on whether vaccination is required and prepare accordingly; any disadvantages following are the participant's own responsibility

  - Example) If the participant fails to provide proof of a WHO-certified vaccination and cannot check into the university dormitory, the participant will be responsible to find accommodation for him/herself (accommodation fees are supported in the amount corresponding to the dormitory fees)
- ▣ **Check-in to Dormitory** : in principle, dormitory check-in is required of program participants
- ▣ **Religious meals & personal food preferences** : religious meals and personal food preferences are not provided during the scholarship program nor the self-quarantine period following entry to Korea. For further information, check the university guidelines (if necessary, personal fees may be incurred)