

## 2 ROUND 2 RECRUITMENT · 2차 모집

Daegu University · Dept. of Electronic &amp; Electrical Eng.

KOICA Scholarship Program · Master's Program in IT &amp; AI

## Master's Degree Program in AI-Embedded System Convergence for Future Mobility & Smart Manufacturing

The Dept. of Electronic & Electrical Engineering at Daegu University Graduate School invites applications for a 27-month integrated master's program — covering AI algorithms, semiconductor design, embedded control and electrification systems.



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ROUND 2 · 2차 모집  
SEPTEMBER 2026 INTAKE

## DURATION

27 months

24 mo. coursework + 3 mo. internship

## ADMISSION

Sep 1, 2026

Fall Semester Intake

## ENROLLMENT

8 – 10 students

KOICA Special Track · Round 2

## DEPARTMENT

Electronic &amp; Electrical Eng.

Graduate School

## 01 Eligibility

선발 대상

Target Countries (13)

Nepal Mongolia Myanmar Bangladesh  
Vietnam Sri Lanka Uzbekistan Egypt  
India Indonesia Cambodia Pakistan  
Philippines

## Qualifications

Holders of (or candidates for) a **bachelor's degree officially recognized by the 13 target countries or Korea**

(Prospective graduates of Korean bachelor's programs are also eligible.)

## 02 Objectives

과정 목표

This program cultivates practical convergence professionals who implement IT & AI technologies — not merely as software, but as **hardware-integrated intelligent systems** immediately applicable to the mobility and manufacturing industries of partner countries.

The curriculum covers a full-cycle chain — AI algorithms → semiconductors → embedded controllers → electrification — supporting partner nations in **self-reliant industrial capacity**.

## 03 Key Technologies

3대 핵심 기술

## 01 / AI EMBEDDED

## AI-Embedded Intelligent Control Systems

Real-time systems using **edge AI** on resource-constrained hardware for precision motor/actuator control and real-time defect detection in manufacturing.

## 02 / E-MOBILITY

## Future Mobility &amp; Electrification Solutions

AI-based optimization of EV drive motors and power conversion (inverters/converters), with **predictive safety diagnosis** technologies.

## 03 / SEMICONDUCTOR

## Automotive &amp; Industrial Semiconductor Design

Architecture design of **MCUs, AI accelerators, and power semiconductors** — the brains of EVs and smart factories — with high-reliability packaging.

## 04 Financial Support

석사과정 학생 지원

Round-trip Airfare  
**Fully covered**

Settlement Allowance  
**KRW 600,000**  
one-time on arrival

Health Insurance  
**KRW 88,000 / mo**  
for 27 months

Tuition (4 semesters)  
**Fully covered**

Dormitory  
**KRW 230,000 / mo**  
covered for 27 months

Return Allowance  
**KRW 300,000**  
one-time on departure

Korean Language Education  
**Fully covered**

Living Allowance  
**KRW 1,200,000 / mo**  
for 27 months

Industrial Internship  
**3-month program**  
at Korean companies

## 05 Application

입학 안내

## • ROUND 2 APPLICATION PERIOD

Jun 17 – 24, 2026

Special Admission · Round 2

## • DETAILED ANNOUNCEMENT

DU Graduate School

<https://grad.daegu.ac.kr>  
(details to be posted)

## • CONTACT · MANAGER

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