

Daegu University · Dept. of Electronic & Electrical Eng.

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



2026

ADMISSION  
SEPTEMBER INTAKE

# 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.

DURATION

**27 months**

24 mo. coursework + 3 mo. internship

ADMISSION

**Sep 1, 2026**

Fall Semester Intake

ENROLLMENT

**15 students**

KOICA Special Track

DEPARTMENT

**Electronic & 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 & Electrification Solutions**

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

03 / SEMICONDUCTOR

**Automotive & 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 1 APPLICATION PERIOD

**May 11 – 18, 2026**

**KOICA Scholarship Program  
Special Admission Track**

• DETAILED ANNOUNCEMENT

**Daegu University Graduate School**

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

• CONTACT

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