

Engineering

Electrical & Electronic
Engineering

ENGLISH EDITION

세종사이버대학교

전기전자공학과

| 자격증취득 꼭 하기 · 학위취득 꼭 하기 · 취업 꼭 하기 |

내일을 배우다 내일을 바꾸다

SEJONG CYBER UNIVERSITY



세종사이버대학교

Electrical & Electronic Engineering

전기전자공학과

누구나 기초부터 시작해 전기·전자·정보통신·반도체 분야의 실무역량과 미래기술을 체계적으로 익힐 수 있는 융합형 전기전자공학 교육을 제공합니다.

Department Introduction

The Department of Electrical & Electronic Engineering (전기전자공학과) trains future talent ready to lead technological and industrial change in the Fourth Industrial Revolution era, through a certification roadmap in electrical power, electronics, telecommunications, and renewable energy.

Department Description

The curriculum is designed to be easy to learn even for students without a prior background in the field, with a cloud-computing-based Virtual Lab that can be accessed anytime. This department is the first among cyber universities to keep both its physical and virtual experiment laboratories open 24 hours a day, to help students earn national technical certifications.

FACULTY

Engineering

공학부

OFFICIAL COURSES

24 courses

NEXT INTAKE

March 2027

DEGREE

Bachelor of Engineering

Bachelor of Engineering · 공학사

STUDY FORMAT

100% online (taught in Korean)

What makes Sejong Cyber University's Electrical & Electronic Engineering different?

01 **A dedicated offline experiment laboratory**

open 24 hours for practice toward electrical and electronics technical certifications.

02 **Certification support in electrical power**

electronics, telecommunications, and renewable energy, guided by professors holding the 기능장 (national Master Craftsman) title.

03 **A cloud-based Virtual Lab practice environment that can be accessed anytime from any PC.**

04 **Double-major option available**

new students may apply after earning 35 credits, transfer students after one semester of enrollment.

05 **An admission scholarship for all incoming students**

combinable with the National Scholarship, to ease the tuition burden.

Curriculum

Official courses (Korean name · English rendering)

전기전자공학입문	Introduction to Electrical & Electronic Engineering
전기이론	Electrical Theory
회로이론	Circuit Theory
디지털공학	Digital Engineering
디지털논리회로설계	Digital Logic Circuit Design
전기기기	Electrical Machinery
전자회로	Electronic Circuits
전력공학	Power Engineering
전기설비기술	Electrical Facility Technology
전기안전관리론	Electrical Safety Management Theory
제어공학	Control Engineering
시퀀스제어	Sequence Control

PLC제어	PLC Control
통신공학	Communication Engineering
무선통신기기및시스템	Wireless Communication Devices and Systems
정보통신기기및시스템	Information & Communication Devices and Systems
태양광발전시스템	Solar Power Generation Systems
물리전자공학	Physical Electronics
임베디드프로그래밍(아두이노)	Embedded Programming (Arduino)
전기전자CAD실습	Electrical-Electronics CAD Practice
전기전자측정실습	Electrical-Electronics Measurement Practice
기초자기학	Basic Magnetism
파이썬기초	Basics of Python
창의적공학설계	Creative Engineering Design

Certification Guide

Certifications supported by the department

전기기사

전기산업기사

전기기능장

전자기사

정보통신기사

무선설비기사

신재생에너지발전설비기사(태양광)

전기안전기사

DEGREE UPON GRADUATION

Bachelor of Engineering

Bachelor of Engineering · 공학사

How to apply from Indonesia

- 01 Free consultation with Annyeong Academy on WhatsApp to check the fit of the major.
- 02 Prepare the 5 apostilled documents — no TOPIK required to apply.
- 03 Apply for the March 2027 intake; Annyeong Academy guides you through to admission.

Annyeong Academy

Official admission partner for Indonesia · Sejong Cyber University, Seoul

Free consultation via WhatsApp +62 823-1956-9256 · hello@annyeongbless.com · annyeongbless.com/sjcu

English translation of Sejong Cyber University's official 2026 e-brochure, re-set by Annyeong Academy in a design that follows the original. Not an official university document; course, certification, and institution names are kept in Korean.