

IT

Software Engineering

ENGLISH EDITION

세종사이버대학교

소프트웨어공학과

내일을 배우다 내일을 바꾸다

SEJONG CYBER UNIVERSITY



세종사이버대학교

Software Engineering

소프트웨어공학과

상상을 현실로, 소프트웨어가 미래다!.

Department Introduction

The Department of Software Engineering trains core DNA (Data-Network-AI) talent through expert tracks in DNA-based software development, blockchain, mobile app development, big data analysis, and open API, to lead the software-driven industrial revolution.

Department Description

The curriculum progresses from foundational to advanced application, covering software development, project management (PMP), blockchain business, the latest mobile app development, and creative/computational coding education. The program is backed by industry partnerships (Samsung Electronics DS Division, POSCO, the Korea Software Industry Association, and others), a cloud-based virtual IT practice lab, and prep classes for a range of national and international certifications.

FACULTY

IT

IT학부

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 Software Engineering different?

01

Expert-track curriculum

SW Development, SW Project Management (PMP), Blockchain, Mobile App Development, and SW Coding Education.

02

Industry partnership MOUs with Samsung Electronics (DS Division)

POSCO, the Korea Software Industry Association, NIPA, Dasan Networks, and others.

03

Graduates work at major companies such as Samsung SDS

Samsung Electronics, POSCO, Hyundai Motor, SK Hynix, KT, LG CNS, Naver, Kakao, Toss, and Coupang.

04

A cloud-computing-based virtual IT practice lab accessible via a virtual PC

plus free AWS Educate cloud training credits.

05

Exam and certification prep classes

TOPCIT, Engineer Information Processing, Big Data Analysis Engineer, international AWS certifications, the civil-service exam, ISMS-P, and more.

Curriculum

Official courses (Korean name · English rendering)

컴퓨터개론	Introduction to Computers
컴퓨터와정보기술의이해	Understanding Computers and Information Technology
프로그래밍기초(C언어)	Programming Basics (C Language)
파이썬기초	Python Basics
알기쉬운블록체인	Easy-to-Understand Blockchain
IT기초수학	Basic Mathematics for IT
데이터베이스구축	Database Construction
운영체제	Operating Systems
빅데이터프로그래밍기초	Big Data Programming Basics
인공지능의이해	Understanding Artificial Intelligence
자료구조와알고리즘	Data Structures and Algorithms
정보보호개론	Introduction to Information Security

웹프로그래밍기초및활용	Web Programming Basics and Applications
클라우드컴퓨터기초	Cloud Computing Basics
빅데이터처리기술	Big Data Processing Technology
컴퓨터구조	Computer Architecture
앱개발기초	App Development Basics
모바일앱개발및응용	Mobile App Development and Applications
인공지능프로그래밍기초	Artificial Intelligence Programming Basics
소프트웨어공학	Software Engineering
객체지향프로그래밍 (JAVA)	Object-Oriented Programming (JAVA)
사물인터넷기초	Basics of Internet of Things
임베디드프로그래밍(아두이노)	Embedded Programming (Arduino)
프로젝트관리론(PMP)	Project Management Theory (PMP)

Certification Guide

Certifications supported by the department

정보처리기사

정보통신기사

빅데이터분석기사/데이터분석전문가(ADP)

SW테스트전문가(CSTS)

SW코딩교육전문가

블록체인전문가

빅데이터응용전문가

인공지능전문가

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.