

Engineering

Mechanical Engineering

ENGLISH EDITION

SEJONG CYBER UNIVERSITY

세종사이버대학교

공학부
기계공학과



세종사이버대학교

Mechanical Engineering

기계공학과

기계설계, 메카트로닉스(기계제어), 열유체에너지를 융합한 기계공학을 통해

Department Introduction

The Department of Mechanical Engineering (기계공학과) trains future engineering talent through a convergence of machine design, mechatronics, and thermal-fluid energy.

Department Description

Beyond machinery, automotive, shipbuilding, and aerospace, the program prepares experts in unmanned vehicles, intelligent robots, and eco-friendly energy, in step with AI and carbon-neutrality trends. The curriculum is interdisciplinary across mechanical engineering, software, and electronics, with three specialist tracks — Machine Design Engineering, Mechatronics Engineering, and Thermal-Fluid Energy Engineering — while also supporting related 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 Mechanical Engineering different?

01

The only department that teaches machine design

mechatronics, and thermal-fluid energy together in one integrated curriculum.

02

Practitioner faculty experienced in aerospace

intelligent vehicles, electronics, and AI/IT software.

03

Direct certification-prep courses (기계기사자격증실전)

공조냉동설비자격증실전), plus hands-on classes in the virtual practice lab.

04

Support for international 3D CAD design certifications (CSWA

CSWP, CSWE), in addition to national certifications in mechanical engineering, HVAC/refrigeration, and energy management.

05

Scholarships for advancing to Sejong University's graduate programs in

Mechanical Engineering, Aerospace Systems, and Defense Systems.

Curriculum

Official courses (Korean name · English rendering)

기계공학개론	Introduction to Mechanical Engineering
정역학	Statics
동역학	Dynamics
재료역학	Mechanics of Materials
유체역학	Fluid Mechanics
열역학	Thermodynamics
기계진동학	Mechanical Vibration
기계요소설계	Machine Element Design
기계재료학	Mechanical Materials Science
기계공작법	Machine Shop Practice
기계제도	Mechanical Drafting
2DCAD	2D CAD

3DCAD	3D CAD
내연기관	Internal Combustion Engines
에너지시스템공학	Energy Systems Engineering
신재생에너지공학	New and Renewable Energy Engineering
냉동및공기조화	Refrigeration and Air Conditioning
태양광발전시스템	Solar Power Generation Systems
메카트로닉스	Mechatronics
제어공학	Control Engineering
지능로봇공학개론	Introduction to Intelligent Robotics
무인항공시스템개론	Introduction to Unmanned Aerial Systems
PLC제어	PLC Control
임베디드프로그래밍(아두이노)	Embedded Programming (Arduino)

Certification Guide

Certifications supported by the department

일반기계기사

자동화설비산업기사

공조냉동기계산업기사

에너지관리산업기사

신재생에너지발전설비기사

기계설계기사

CSWA

CSWP

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.