Build your career with UOU!

2025 WSU Recruitment

Graduate School of Carbon-Neutral Technology Convergence

UNIVERSITY OF ULSAN

Graduate School of Next-Generation Secondary Battery Convergence

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1. WSU

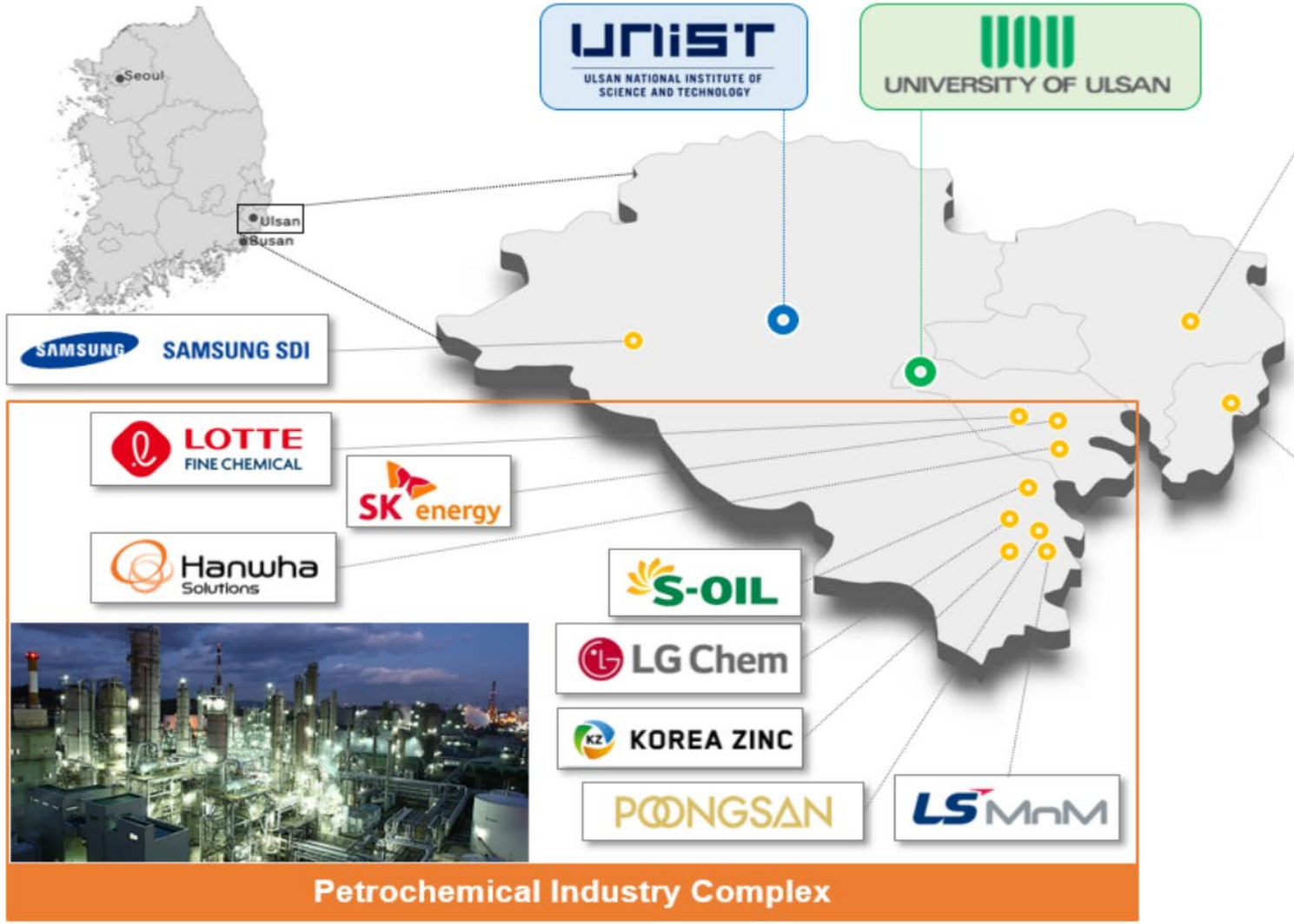
(WSU; Work & Study in Ulsan)

Ulsan Metropolitan City

UNIVERSITY OF ULSAN

Ulsan Metropolitan City is

An industrial hub in Korea's economy, powered by key industries such as **Hyundai Motor**, **Shipbuilding**, and **Petrochemicals**.





Study_UOU

UNIVERSITY OF ULSAN



- **The Founding Philosophy of the University of Ulsan**

“ Thirst for Learning, Learning for Success”

The University of Ulsan was established in 1970 by the esteemed late Asan Chung Ju-Yung, founder of the world-renowned Hyundai business group. Asan was one of the most prominent entrepreneurs in modern global history, a truly great man with a humble mind, and an educator who wanted to benefit the world with knowledge and education. The University of Ulsan proudly continues in Asan’s innate guiding philosophies of pioneering entrepreneurship, love for mankind, and thirst for learning.

by the NUMBERS

Colleges	Majors	Graduate Schools
6	16	8

Undergraduates	Graduates	Courses
10,677	1,554	2,363

Professor	Research Funding
1,096	106million USD/year

THE

14th in Korea
124h in Asia,
501-600th in World in 2024

CWUR

9th in Korea
90th in Asia,
406th in World in 2024

QS

210th in Asia,
801-850th in World in 2024

Study_UNIST (Ulsan National Institute of Science and Technology)

We're Pioneers! UNIST

※Selected applicants will be invited to the UOU -UNIST Joint Degree Program based on specific criteria

UNIST, We are Pioneers! First in Change

UNIST is a national institute opened in 2009, supported by the Ministry of Science and ICT, located in the heart of Korea's largest industrial city, Ulsan, South. Korea. As a young & fast-rising university, UNIST has truly become one of the world's leading science and technology universities in the world. We aims to be ranked within the top 10 science and technology universities by 2030.

UNIST by the Numbers

- #3 THE World's Best Small University
- #10 THE World's Young University
- #1 in Korea in Leiden Ranking (PP Top 10%)
- #178 in World's Rankings

Facts and Figures

Colleges	Departments	Schools	Faculty members
3	19	2	340

Staffs	Undergraduate	Graduate
417	2,206	2,298

Worlds Top 1% Influential Researchers (HCR)

- #2 Highest number(UNIST) in South Korea
- 9 Highly Cited Researchers by Clarivate™

Major Research Areas (Top Research Quality)

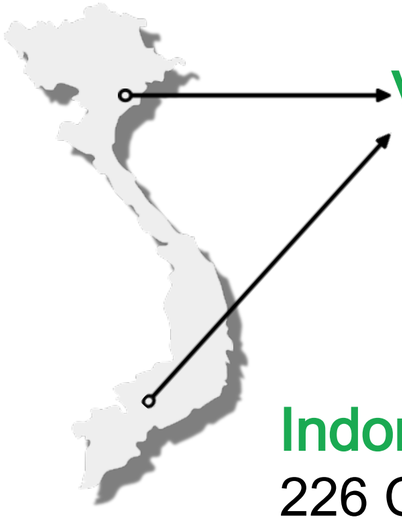
- Carbon Neutral, AI, Smart Healthcare
- Secondary Battery / Solar Cell / Hydrogen (H2) Energy
- Semiconductor & Next-Generation Materials
- Biology (Advanced Bio Health)
- Quantum, Smart Mobility, Sustainable Manufacturing, Etc.

Startups in UNIST

- 75 Faculty Startups (About 20%) & 69 Student Startups
- Have total USD 1.0 Billion(Business Valuation), USD 0.2 Billion(Revenue)

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Career opportunities with Korean Corporations in the Home Country after Graduation



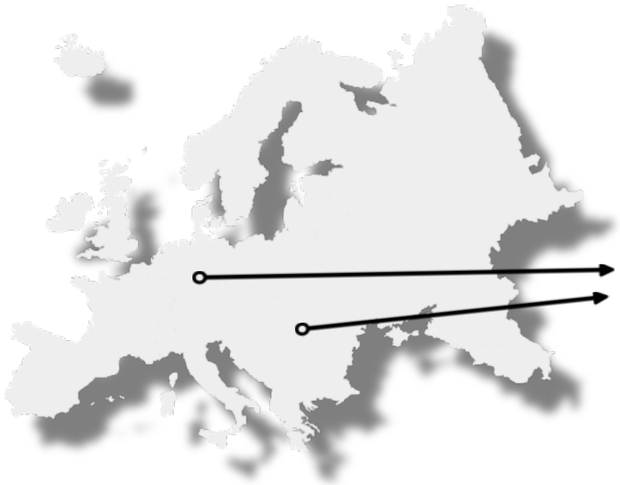
Vietnam

967 Companies (including Hyundai Motor Company and SK Innovation)

Indonesia

226 Companies (including LG Energy Solution and POSCO)





Europe

1,056 Companies (including Hyundai Motor Company, Samsung SDI)

2. Life at UOU

Facilities

UNIVERSITY OF ULSAN

Student House



Safe and Comfortable living environment

- Supervised by staff on a 24/7 basis
- Easy access to classrooms, library, student canteen , and Sports Center

International students are given priority for accommodation on the international Hall

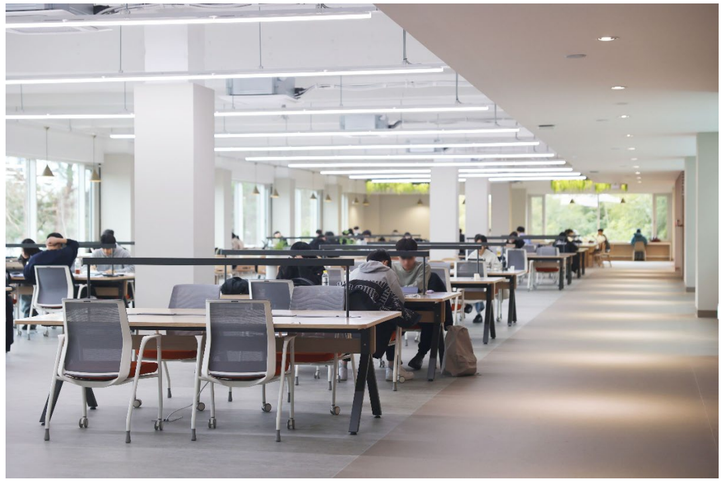
The Asan Library

1st & 2nd Floors : Multipurpose Cultural Space

3rd Floor : Open Study Area

4th Floor : Group Study Rooms

5th Floor : Media Study Zone



Facilities

UNIVERSITY OF ULSAN

The Industry-Academia Convergence Campus



Opened in 2018

It is designed to facilitate field -oriented academy -industrial cooperation by bring UOU, local companies and government -funded R&D centers together in the Ulsan Techno-Industry Complex

The Asan Sports Center

International-standard swimming pool with 8, 50 -meter lanes

Indoor golf ranges

Basketball court

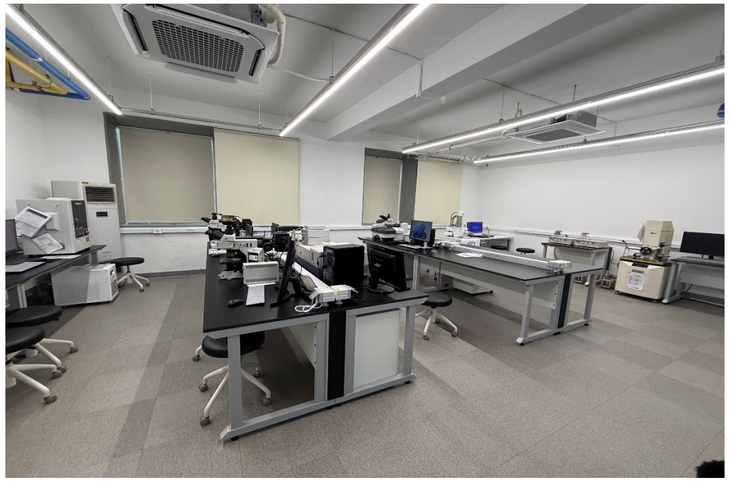
Fitness Center



Facilities

UNIVERSITY OF ULSAN

LAB









State-of-the-art research labs for carbon neutrality and battery technologies, equipped with **a Dry room, BET analyzer, XRD system, and a wide range of advanced instruments**. Continuous upgrades support advanced research and education.

Estimated Personal Expenses

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One-time payment upon admission

Application Fee : 100,000 KRW

Insurance for the first 40 days after arriving in Ulsan : 60,000 KRW

Alien Registration Fee : 35,000 KRW

Monthly payment

National Health Insurance Fee : Approx. 80,000 KRW

* Automatically enlisted to the NHI after registering for the alien card

Individual Living Expenses

Meals at the weekends, personal expenses, transport, etc.

About KRW 500,000 per month

Scholarship & Benefits

UNIVERSITY OF ULSAN

Financial Support

Full Tuition Scholarship

Dormitory Accommodation
(Weekdays Mealplan included)

Living Support Allowance
(KRW 800,000 per month)

Other benefits

Korean Language Education (100 hours)

Opportunity for paid Research Project

UOU - UNIST joint degree program
(Only those who meet specific criteria set by the UNIST during the selection process will be assigned)

※Financial support will be offered for 2 years only.

※If you fail to finish your dissertation within 2 years, you are responsible for your study financially.

※The application fee, mandatory insurance for international students, and National Health Insurance must be paid individually .

3. Academic Programs

Specialized Graduate School of

Carbon-Neutral Technology Convergence

UNIVERSITY OF ULSAN



● Master's Degree (M.S.)

● Study Period

- 2 Years (4 Semesters)

● Employment Fields

- Carbon Neutral Research Institutes
- Renewable Energy Industry
- ESG(Environmental, Social, and Governance)Management
- Hydrogen Energy Specialist
- Renewable Energy Engineer

Specialized Graduate School of

Carbon-Neutral Technology Convergence

UNIVERSITY OF ULSAN

● Curriculum

- Seminar on Carbon-Neutral Technologies
- Low-carbon Energy Systems Engineering
- Advances in Green Energy
- Renewable Energy Engineering
- Catalysts for Advanced Energy Conversion
- Energy Materials Science
- Advanced Solar Cell Technology
- Energy Conversion and Storage
- Thermodynamics of Energy Systems
- Hydrogen Energy Engineering
- Carbon Capture, Utilization & Storage (CCUS) Technology

● Graduation Requirements

- Minimum of 28 credits required for graduation
- Submission of a thesis after passing the comprehensive examination

Specialized Graduate School of

Carbon-Neutral Technology Convergence

UNIVERSITY OF ULSAN



- **Website**
  https://cntech.ulsan.ac.kr

- **Contact**
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Specialized Graduate School of

Next-Generation Secondary Battery Convergence

UNIVERSITY OF ULSAN



• Master's Degree (M.S.)

• Study Period

- 2 Years (4 Semesters)

• Employment Field

- Secondary Battery R&D Engineer
- EV Battery System Engineer
- BMS (Battery Management System) Developer
- ESS (Energy Storage System) Specialist
- Battery Materials and Components Developer
- Quality Control and Certification Specialist

● Curriculum

- Non-Lithium Secondary Batteries
- Recycling and Reuse of Used Batteries
- Next-Generation Battery Materials and Technology
- Advanced Topics in Next -Generation Batteries
- Analysis of Secondary Battery Materials
- Battery Production and Performance Evaluation
- Battery Safety
- Battery Management System Engineering
- Advanced Electrochemistry of Secondary
- Advanced Material Chemistry of Secondary Battery

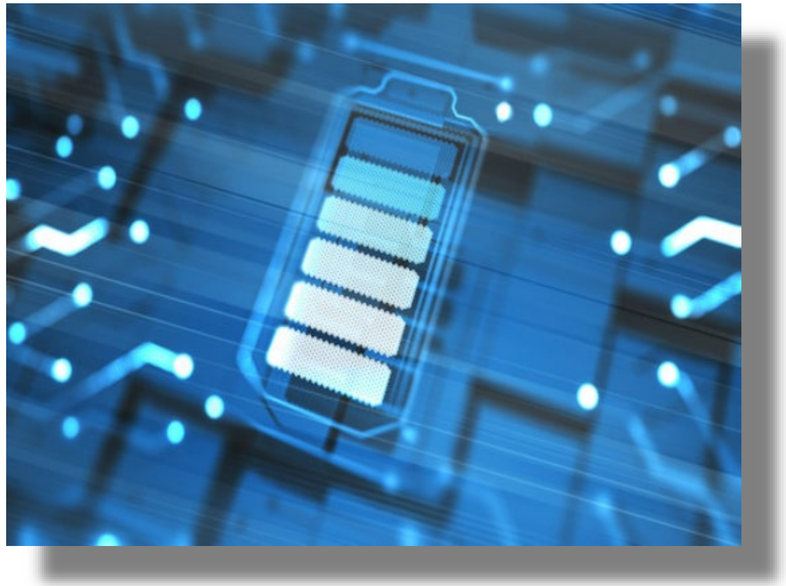
● Graduation Requirements

- Minimum of 28 credits required for graduation
- Submission of a thesis after passing the comprehensive examination

Specialized Graduate School of

Next-Generation Secondary Battery Convergence

UNIVERSITY OF ULSAN



- **Website**
  https://nexbatgrad.ulsan.ac.kr

- **Contact**
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Professor

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4. How to Apply

Eligibility

UNIVERSITY OF ULSAN

● Undergraduate Major of Prospective Students

Engineering	Chemical Engineering / Computer Engineering / Materials Engineering / Electrical and Electronics Engineering / Mechanical Engineering / Energy Engineering / Any Engineering Majors
Science	Chemical / Computer / Environmental / Physics / Nanoscience / Other related Science Majors

● Language Requirement

IELTS 5.5 or Higher	(New) TEPS 327 or Higher	TOEIC 785 or Higher
TOEFL iBT 71 or Higher	CEFR B2 or Higher	

Application Schedule (2025 Autumn Intake)

UNIVERSITY OF ULSAN

No.	Procedure	Date	Details
1	Online Application Period	22 May ~ 18 June	**Webpage:** Graduate School of Carbon-Neutral Technology Convergence **[https://cntech.ulsan.ac.kr]** Graduate School of Next-Generation Secondary Battery Convergence **[https://nexbatgrad.ulsan.ac.kr]**
2	Submission of Hard copies & Original documents	22 May ~ 18 June	Bachelor's degree graduation certificate Bachelor's degree transcript Birth certificate with nationality of parents *Pay the application fee : KRW 100,000
3	Announcement of Successful applicants	30 June	Online Announcement (Selected applicants will be invited to the UOU-UNIST Joint Degree Program based on specific criteria)
4	Registration	30 June ~ 7 July	
5	Visa documents preparation	8 July ~ 1 August	
6	Orientation	28 ~ 29 August	
7	Start of the semester	1 September	

※Around mid-June, there may be an online interview via Zoom for those who pass the document screening .
(The detailed schedule will be individually announced later.)

How to Apply

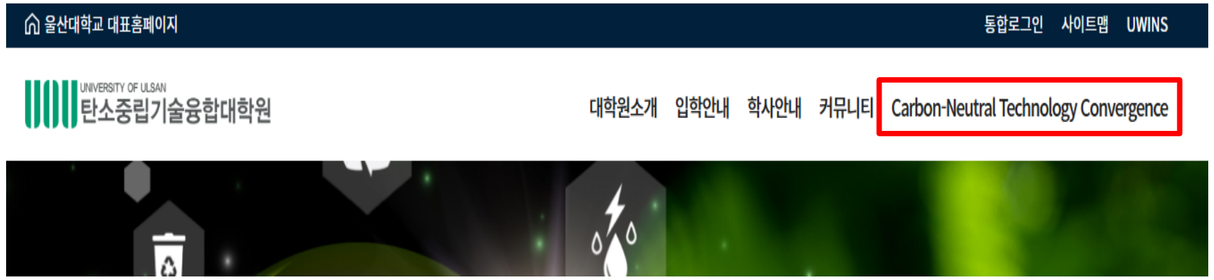
UNIVERSITY OF ULSAN

1. Visit the website of the graduate school (major) you wish to apply for.

(Graduate School of Carbon-Neutral Technology Convergence : https://cntech.ulsan.ac.kr)
(Graduate School of Next-Generation Secondary Battery Convergence : https://nexbatgrad.ulsan.ac.kr)

2. Click the English menu on the website.

(Carbon-Neutral Technology Convergence/Next-Generation Secondary Battery Convergence)

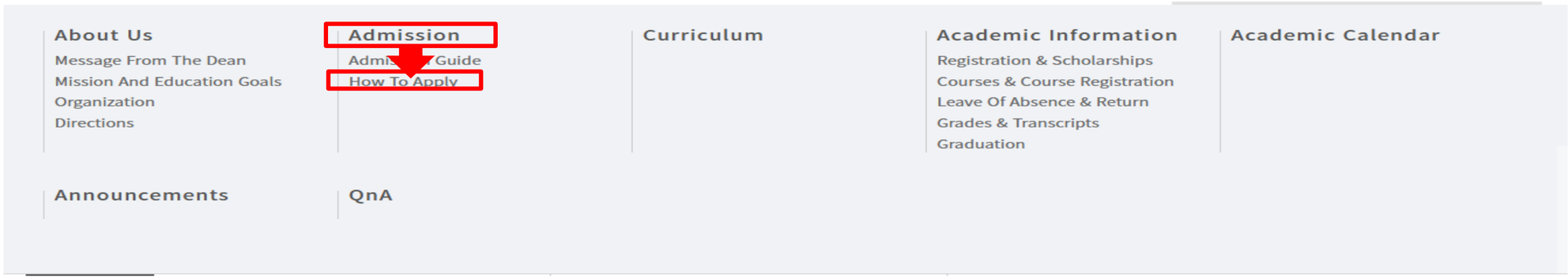




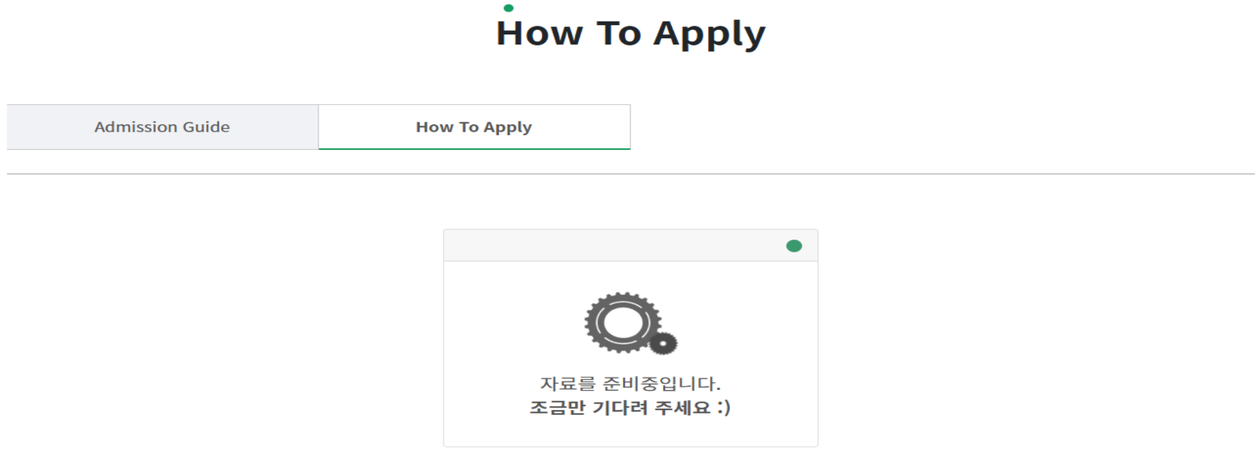
How to Apply

UNIVERSITY OF ULSAN

3. Go to Admission > How to Apply



4. When the application period opens, a button linking to the application site will appear on this page.



Contact Information

UNIVERSITY OF ULSAN

University name	University of Ulsan
Department	-Specialized Graduate School of **Carbon-Neutral Technology Convergence** -Specialized Graduate School of **Next-Generation Secondary Battery Convergence**
Email	international@mail.ulsan.ac.kr
Website	[https://cntech.ulsan.ac.kr] [https://nexbatgrad.ulsan.ac.kr]
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Build your career with UOU