

SCHOOL OF INTERATIONAL ENGINEERING AND SCIENCE





GREETINGS

The newly established Major of Engineering and Science in 2018 aims at educational research that fuses diverse disciplines with undergraduate engineering paradigms. The goal of our department is not only to foster new industrial technology leaders to produce electronic circuits, sensors, devices, and various electronic products by integrating advanced nanotechnology, but also to educate knowledge of various fields such as chemistry, physics, electricity, electronics, materials through independent research and learning.

In addition, we are pursuing a vision to grow as a leading research center in the Northeast Asian era, an institution that fosters professionals and intellectuals who contribute to society's development, and a center of industry-university cooperation that promotes regional innovation.

To this end, we are making efforts to contribute to the local community through the development of students' potential, and to contribute to the community as a brain resource for community development.

I promise to work with competitive professors to develop and educate curriculum that responds to social change, and to devote all my efforts to cultivating students' potential and creativity.

Thank you.

January, 2025

Lee Seung Beop, Dean

School of International Engineering and Science,
Jeonbuk National University

EDUCATIONAL GOALS

The School of International Engineering and Science is to achieve excellence in engineering and science areas of undergraduate education, graduate education, research, and public service. The School of International Engineering and Science provides superior and comprehensive educational opportunities at the baccalaureate through various fields and special professional educational levels.

At SIES, we aim to cultivate engineers capable of conducting global, system-level interdisciplinary research. This is achieved through education in fields such as Chemical Engineering, Physics, Electrical and Electronic Engineering, and Computer Engineering (Artificial Intelligence, Big Data, IoT), all of which are taught in English. Our goal is to nurture researchers with expertise in interdisciplinary fields.

We focus not only on future industrial capabilities such as renewable energy (solar, hydrogen, bioenergy, etc.) and electric vehicles (wireless power transfer, electric motors, etc.), but also on acquiring integrated knowledge across diverse fields such as chemistry, physics, electrical engineering, electronics, materials, and chemical engineering. Through independent research, we aim to train internationally competitive, integrated engineering leaders.

Furthermore, we strive to become a leading institution in the Northeast Asia region, serving as a center for cutting-edge research, contributing to societal development, and advancing regional innovation through industry-academia collaboration.

The School of International Engineering and Science contributes to the advancement of society through fostering new engineering leaders, research, scholarly inquiry, and the development of new knowledge.

HISTORY

March 2018

Start of The School of International Engineering and Science at Global Frontier College

In March 2018, The School of International Engineering and Science was officially opened. Since then, Every class in SIES is held in English and it has motivated students to think internationally.

March 2020

Growth of The School of International Engineering and Science

In March 2020, The School of International Engineering and Science added a new curriculum for expanding engineering and science fields. Also, SIES joined the Graduate School of Integrated Energy-Al.

September 2021

Launch New Course with Energy New Industry Project

In September 2021, The School of International Engineering and Science officially launched a new course with the Energy New Industry Project. Because of a new course, students take classes from famous professors in Korea not only in JBNU.

January 2025

The Explosive Expansion of International Student Enrollment at SIES

In January 2025, the number of students in the School of International Engineering and Science (SIES) saw an explosive increase, with a total of 239 students consisting of 59 Korean students and 180 international students.

CURRENT STATUS

Faculty and Staff Status

Major of Engineering and Science

Professor	4
Lecturer	6
Assistant in Office	1

Student Status

Grade	korean	Foreigner	total
1	15	64	79
2	15	56	71
3	13	30	43
4	16	30	46
TOTAL : 239 (as of January 2025 enrollment)			

FACULTY

School of international Engineering and Science

Position	Name	Contact Info
Professor	Rho, Won Yeop	☎ 063-219-5598 ✉ rho7272@jbnu.ac.kr 🌐 https://top.jbnu.ac.kr/aipv/index.do
	Lee, Seung Beop	☎ 063-219-5607 ✉ seungbeop.lee@jbnu.ac.kr 🌐 http://msd.jbnu.ac.kr
	Hilal Tayara	☎ 063-219-5613 ✉ hilaltayara@jbnu.ac.kr
	Wu, Mihye	☎ 063-219-5597 ✉ wumihye@jbnu.ac.kr

Professor's profile



PROFESSOR
Rho, Won-Yeop

Bachelor's degree	Jeonbuk National University
Master's degree	Seoul National University
Doctoral degree	Seoul National University
Field of Research	Organic-Inorganic Solar Cell Materials & Devices (Ph.D. in Science)
Details	Dye-sensitized solar cells · Perovskite solar cells · Anodization Synthesis of Nanomaterials · Surface Modification

Prof. Rho's research interests span a wide range of areas, including:

1. Organic and inorganic solar cells
2. Machine learning applications in materials science
3. Anodization techniques
4. Biomaterials development
5. High-throughput screening methods
6. Water splitting technologies
7. Photocatalyst materials and applications

His work has made significant contributions to improving the efficiency and performance of various types of solar cells. For example, he has conducted research on dye-sensitized solar cells (DSSCs) using titanium dioxide nanotube arrays and plasmonic nanoparticles to enhance light harvesting and electron transport.

More recently, Prof. Rho has been exploring the use of machine learning techniques to optimize perovskite solar cells. In one study, his team used machine learning to predict the optimal combination of materials and structures for PCBM-perovskite solar cells with nanopatterned TiO₂ layers, achieving improved power conversion efficiency.

As a principal investigator, Prof. Rho leads a research lab at Jeonbuk National University where he continues to advance the fields of solar energy, nanomaterials, and machine learning-assisted materials design. His multidisciplinary approach combining experimental techniques with computational methods positions him at the forefront of next-generation solar cell and materials research.



PROFESSOR
Lee, Seung-Beop

Bachelor's degree	KwangWoon University
Master's degree	KAIST (Korea Advanced Institute of Science and Technology)
Doctoral degree	KAIST (Korea Advanced Institute of Science and Technology)
Field of Research	Artificial Intelligence & Optimization Design (Ph.D. in Engineering)
Details	Prof. Lee is conducting research on multidisciplinary and convergent system design optimization and methodology development. Among these, his recent research interests are as follows:

• Mobility systems

Design Optimization for Wireless Power Transfer Systems Using Computer Science Engineering Techniques (e.g., Applied AI Methods, Control Methods, etc.)

- Development of the optimization framework for the wireless power transfer systems with multiple transmitter and receiver modules considering the structural and electrical design variables
- Resonance determination for maximizing the efficiency of the wireless power transfer systems with multiple transmitter and receiver modules
- Shape and topology(layout) optimization for wireless power transfer systems considering the structural (e.g. ferrite and coil) and electrical (e.g. frequency, input power, duty ratio, compensation capacitance, etc.) design variables.

Design Optimization for Electric Motor Systems Using Computer Science Engineering Techniques (e.g., Applied AI Methods, Control Methods, etc.)

- Development of the total optimization framework for electric motor systems considering the structural (e.g. core and coil shape) and electrical (e.g. input power, frequency, etc.) design variables.

Design Optimization for Wireless Communication Systems Using Computer Science Engineering Techniques (e.g., Applied AI Methods, Control Methods, etc.)

- Development of the optimization framework for wireless communication systems considering the structural (e.g. core and coil shape) and electrical (e.g. input power, frequency, etc.) design variables.

• Energy systems

Design Optimization for Solar Cell & Module Using Computer Science Engineering Techniques (e.g., Applied AI Methods)

- Development of the optimization framework for solar cell and solar module by using the artificial intelligence-based design optimization program

Design Optimization for Solar Power Systems Using Computer Science Engineering Techniques (e.g., Applied AI Methods, Control Methods, etc.)

- Development of the optimization framework for solar power plant using computer science engineering techniques (e.g., applied AI methods, control methods, etc.)



PROFESSOR
Hilal Tayara

Bachelor's degree	Aleppo University(Syria)
Master's degree	Jeonbuk National University
Doctoral degree	Jeonbuk National University
Field of Research	AI-based drug discovery and bioinformatics (Ph.D. in Engineering)

Prof. Hilal's research interests span a wide range of AI-based areas, including:

- Single-Cell Transcriptomics
- Cancer Research and Post-Translational Modifications (PTMs)
- Graph Neural Networks in Biology
- AI in Drug Discovery
- Biomedical Data Integration

He is specialized in interdisciplinary research that bridges the fields of computational biology, artificial intelligence, and systems biology. His work combines state-of-the-art computational methods with biological insights to address complex problems in health and disease. So far, he has published more than 85 SCIE papers, achieving an h-index of 32 and accumulating 2,905 citations.



PROFESSOR
Wu, Mihye

Bachelor's degree	Sungkyunkwan University
Master's degree	Seoul National University
Doctoral degree	KAIST (Korea Advanced Institute of Science and Technology)
Field of Research	Energy Materials & Secondary Batteries (Ph.D. in Engineering)

Prof. Wu's research interests include:

- Next-generation LIBs, including lithium-metal batteries, all-solid-state batteries, and Li-air batteries
- Lithium-ion batteries
- Materials for energy storage and conversion
- Synthesis of inorganic materials
- Surface modification

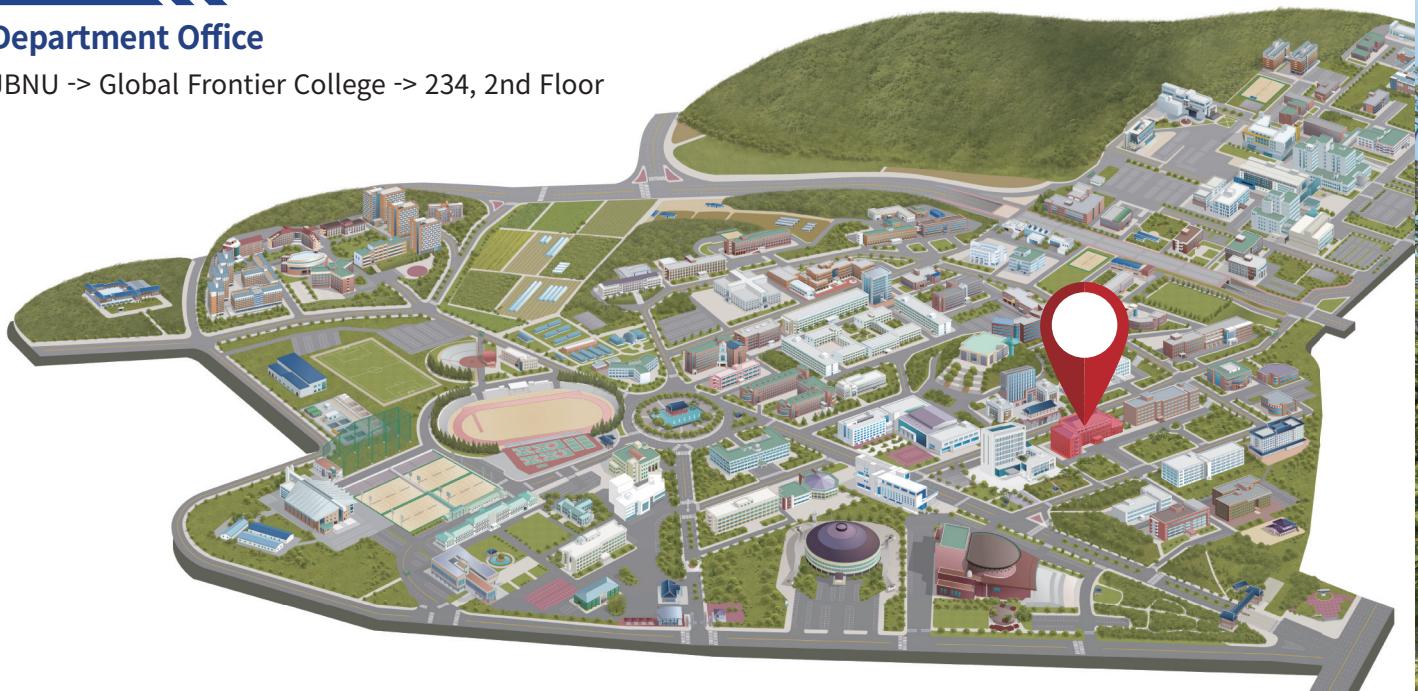
Prof. Mihye Wu has conducted extensive research on lithium-ion batteries and next-generation lithium-ion batteries, focusing on enhancing electrochemical performance and stability. Her work includes developing anode materials for lithium-metal batteries, with an emphasis on innovative current collectors and substrates designed to suppress dendrite growth, a critical challenge in lithium-metal battery technology. She has applied surface modification techniques and 3D structuring of anodes to enhance the cycling performance of lithium-metal batteries. She has also worked on next-generation lithium-ion batteries, including all-solid-state batteries, by synthesizing novel solid electrolytes and engineering interfaces to improve electrochemical performance. In addition, her studies on lithium-air battery systems involve designing advanced catalysts and investigating reaction mechanisms to achieve efficient energy storage.

Currently, she is focusing on advancing dendrite-free lithium deposition, developing advanced lithium-metal battery technologies, and adopting patterning strategies and heterostructures to improve the uniformity and stability of lithium deposition, paving the way for high-energy-density and long-lasting batteries.

MAP

Department Office

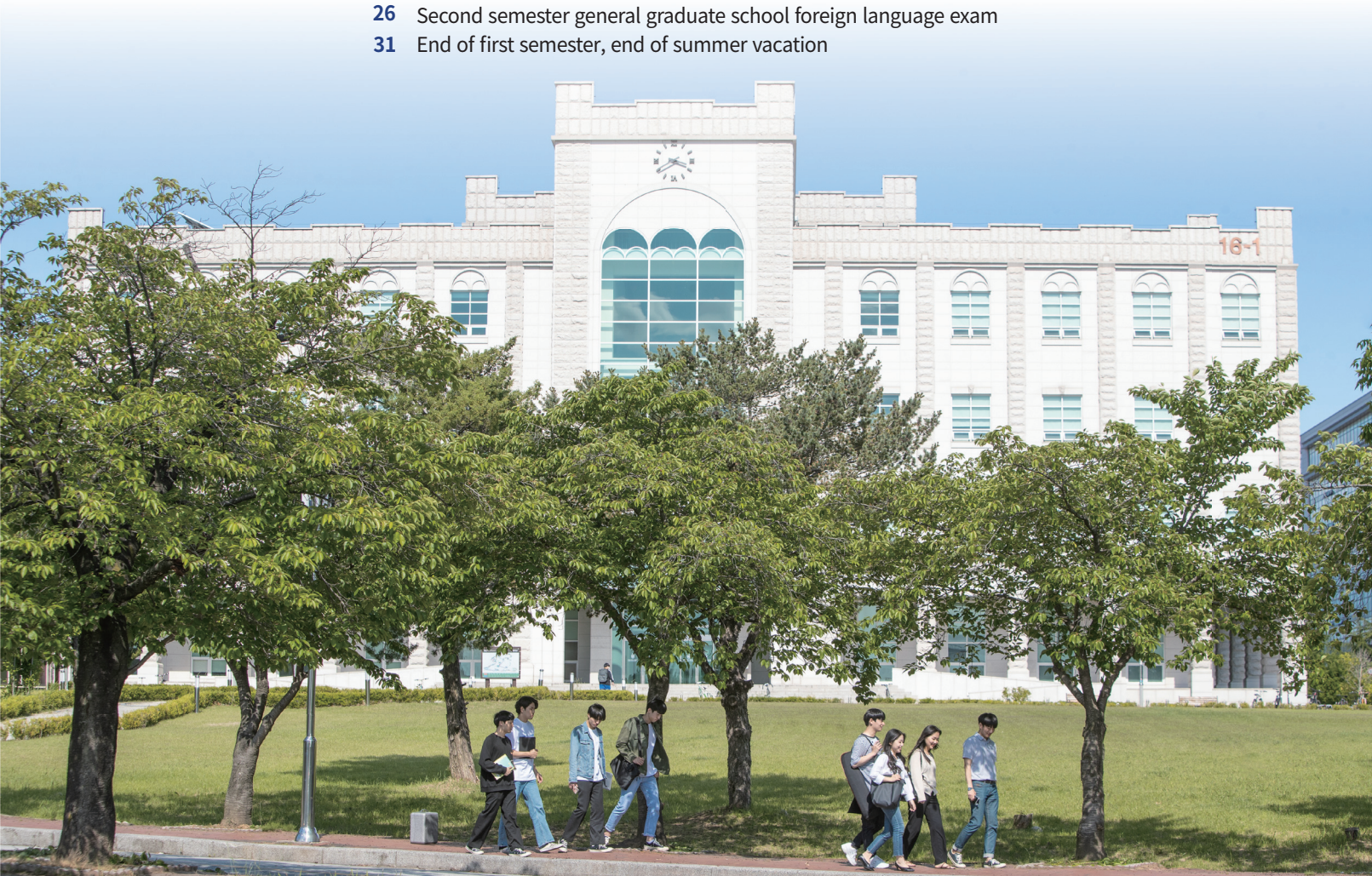
JBNU -> Global Frontier College -> 234, 2nd Floor



SCHEDULE OF UNIVERSITY CURRICULUM

* This is only example you could check for detailed information on University website
<https://www.jbnu.ac.kr/web/academic/schedule.do>

FEBRUARY	03 Preliminary course registration for the first semester 10 1st Semester Course Registration 21 Graduation Ceremony
MARCH	04 1st semester begins 04~07 1st semester course registration change (additional) period 03 General Graduate School Comprehensive Examination 26~28 Application for review of doctoral thesis at general graduate school 28 1/4 of the school days
APRIL	16~18 Application for review of master's thesis at general graduate school 23 2/4 of the number of class days 28 Midterm exam completed
MAY	01 Labor Day 23 3/4 of the number of class days
JUNE	20 End of the first semester, final exam completed 23 Start of summer vacation 23 Start of summer season class
JULY	11 End of seasonal classes 14 Special semester begins 23 Preliminary course registration for the second semester 31 2nd Semester Course Registration
AUGUST	13 End of special semester 22 2024 Second Half Degree Award Ceremony 26 Second semester general graduate school foreign language exam 31 End of first semester, end of summer vacation



GRADUATION

Graduation Conditions

1. Must choose Intensive major or Double major or Secondary major
2. Submit The report of certificated foreign language test (You should be satisfied with one of the score)
 ▶ select 1 : TOEIC 700, CBT 197, PBT 529, IBT 82, TEPS 572, TOEIC Speaking level 6, OPIC IM2, G-TELP Level 2

2025 ENTRANTS

Liberal arts					Major					Double major			secondary major			졸업 학점
최소인정(MIN)				최대 인정 (MAX)	최소전공학점(MIN)			심화전공 (Inten sive)	합계	필수 R	선택 E	소계	필수 R	선택 E	소계	130
기초	균형	진로	소계		전필 R	전선 E	소계									
9	20	1	30	42	18	24	42	24	66	18	24	42	18	3	21	

2023 - 2024 ENTRANTS

Liberal arts					Major					Double major			secondary major			졸업 학점
최소인정(MIN)				최대 인정 (MAX)	최소전공학점(MIN)			심화전공 (Inten sive)	합계	필수 R	선택 E	소계	필수 R	선택 E	소계	130
기초	핵심	일반	선택		전필 R	전선 E	소계									
12	21	4	2	39	42	18	24	42	24	66	18	24	42	18	3	21

2023 - 2024 ENTRANTS LIBERAL ARTS COURSES

* It could be different depends when you entered here, You have to check the details in your OASIS

classification			1st semester	2nd semester
Basic liberal arts (기초교양)	Literacy (문해력)	Reading of Classic Masterpieces (고전, 명저 읽기)	3	
	Thinking (사고력)	Computational thinking and Human (컴퓨팅사고와 인간)		3
	Expressiveness (표현력)	Writing (글쓰기)	3	
Core liberal arts (핵심교양)	Nature (자연)	General Physics 1 (일반물리학 1)	3	
		General Physics 2 (일반물리학 2)		3
		General Chemistry 1 (일반화학 1)	3	
		General Chemistry 2 (일반화학 2)		3
	Society (사회)	Understanding of Economics (경제학의 이해)	3	
	Human (인간)	Understanding Western History (서양사의 이해)		3
	Selection of Core liberal arts (핵심 교양 영역 선택)		3	
General liberal arts (일반교양)	Mathematical/Information (수리/정보)	Understanding&Usage of Big Data (빅데이터 이해 및 활용)	3	
	Freshman settlement / Student Guidance (신입생 정착/학생지도)	College life and Career design (대학생활과 진로설계)	1	
Additional Selection among Basic, Core and General Liberal arts area (기초, 핵심, 일반 교양 중 선택)			2	
Additional credits of Liberal arts (추가 이수 가능 학점)			3	
Total (이수 총 합계)			MIN (최소 이수 학점)	
			39	
			MAX (최대 이수 학점)	
			42	

2025 ENTRANTS LIBERAL ARTS COURSES

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영역	분야			학점		비고
Basic liberal arts (기초교양)	Required Basic liberal arts (기초필수)	Writing (대학글쓰기)		3		Offered in the first and second semesters (1,2학기 개설)
	Electives Basic liberal arts (기초선택)	Communication (의사소통)	Understanding of Classic Masterpieces (고전명저이해)	3		
			Critical Thinking and Discussion (비판적사고와 토론)			
		Problem Solving (문제해결)	Scientific Thinking and Civilization (과학적사고와 문명)	3		
			Statistical Thinking and Society (통계적사고와 사회)			
	Total (계)			9		
Balanced Liberal Arts (균형교양)	디지털(SW)			3	Designating more than five areas (5개 영역 이상 지정)	Required (필수)
	Nature and Science (자연과 과학)			6		General Physics 1 (일반물리학 1) Required General Chemistry 1 (일반화학 1) Required
	Human and Culture (인간과 문화)			9(8)		Complete 3 credits in each of three areas (3개 영역에서 각 3학점 이수) *Arts and Physical Education are 2 credits (*예술과 체육은 2학점)
	Life and Society (삶과 사회)					
	Language (외국어)					
	Glocal (글로벌)					
	Arts and Physical Education (예술과 체육)					
	Balanced Liberal Arts Electives (No Specific Area) 균형교양선택(영역무관)			2(3)		
	Total (계)			20		
College Life and Career Design (대학생활과진로설계)				1	Offered in the first semester (2nd Grade)	
MIN (최소이수학점)				30		
MAX (최대이수학점)				42		

※Students can take up to 12 additional credits in Balanced Liberal Arts categories to reach the maximum of 42 credits

2023 - 2024 ENTRANTS MAJOR COURSES

* It could be different depends when you entered here, You have to check the details in your OASIS

Grade	Semester	Classification	Subject	credit	lecture	experiment
2	1st	공필	Major Career Design 1 (전공진로설계 1)	0.5	0	1
		전필 R	○ Organic Chemistry(유기화학1) ○ Programming based Circuit Theory 1 (프로그램 기반 회로이론 1)	3	3	0
		전선 E	Basics of Engineering mathematics 1(기초공업수학1) Linear Algebra (선형대수학) C&Python Programming (C&Python 프로그래밍) Materials Engineering(재료공학)	3	3	0
	2nd	공필	Major Career Design 2 (전공진로설계2)	0.5	0	1
		전필 R	○Electromagnetics 1(전자기학 1) ○Data Structure (데이터구조)	3	3	0
		전선 E	Physical Chemistry (물리화학) Basics of Engineering mathematics2 (기초공업수학2) Organic Chemistry 2 (유기화학2) Programming based circuit Theory 2 (프로그램 기반 회로이론 2)	3	3	0
3	1st	공필	Major Career Design 3 (전공진로설계 3)	0.5	0	1
		전필 R	○Engineering of Semiconductor (반도체공학) ○Introduction to Algorithm (알고리즘개론)	3	3	0
		전선 E	Introduction to composite materials(복합재료개론) Digital Engineering 1 (디지털공학1) Optoelectronic Materials Engineering (광전소재공학) Electromagnetism 2 (전자기학2)	3	3	0
	2nd	공필	Major Career Design 4 (전공진로설계 4)	0.5	0	1
		전선 E	Digital Engineering 2 (디지털공학 2) Semiconductor Processing (반도체공정) Fundamental of Bio-informatics (바이오인포매틱스) Python based Basic Machine Learning (Python기반 기초기계학습) Energy Storage and Conversion Materials Engineering (에너지저장 및 변환소재공학) Engineering Science Capstone Design 1 (이공캡스톤디자인 1)	3	3	0
		공필	Major Career Design 5 (전공진로설계5)	0.5	0	1
4	1st	전선 E	Solid Mechanics (고체역학) Display Engineering (디스플레이공학) Electrochemistry (전기화학) Artificial Intelligence (인공지능) Engineering Science Capstone Design 2 (이공캡스톤디자인 2)	3	3	0
		공필	Major Career Design 6 (전공진로설계 6)	0.5	0	1
	2nd	전선 E	Flexible and Printable Eletronics (유연인쇄전자공학) Optoelectronic Devices Engineering (광전소자공학) Design Optimization Project for Energy System (에너지시스템최적설계프로젝트) Measurement Engineering (계측공학) Fuel cells (수소연료전지)	3	3	0
		공필	Major Career Design 6 (전공진로설계 6)	0.5	0	1

2025 ENTRANTS MAJOR COURSES

* It could be different depends when you entered here, You have to check the details in your OASIS

Grade	Semester	Classification	Subject	credit	lecture	experiment
2	1	공필	Major Career Design 1 (전공진로설계 1)	0.5	0	1
		전필R	○ Organic Chemistry (유기화학1) ○ Programming based Circuit Theory 1 (프로그램 기반 회로이론 1)	3	3	0
		전선E	C&Python Programming (C&Python 프로그래밍) Basics of Engineering mathematics 1 (기초공업수학1) Electromagnetism 1 (전자기학 1) Electrochemistry (전기화학)	3	3	0
	2	공필	Major Career Design 2 (전공진로설계2)	0.5	0	1
		전필R	○ Physical Chemistry (물리화학) ○ Data Structure (데이터구조)	3	3	0
		전선E	Basics of Engineering mathematics2 (기초공업수학2) Organic Chemistry 2 (유기화학2) Electromagnetism 2 (전자기학2) Programming based circuit Theory 2 (프로그램 기반 회로이론 2)	3	3	0
3	1	공필	Major Career Design 3 (전공진로설계 3)	0.5	0	1
		전필R	○ Introduction to Algorism (알고리즘개론) ○ Principles of Instrumental Analysis (기기분석의 이해)	3	3	0
		전선E	Polymer 1 (고분자 1) Digital Engineering 1 (디지털공학1) Engineering of Semiconductor (반도체공학) Materials Engineering (재료공학)	3	3	0
	2	공필	Major Career Design 4 (전공진로설계 4)	0.5	0	1
		전선E	Python Based Basic Machine Learning (Python기반 기초기계학습) Polymer 2 (고분자 2) Digital Engineering 2 (디지털공학 2) Fundamental of Bio-informatics (바이오인포매틱스) Energy Storage and Conversion Materials Engineering (에너지저장 및 변환소재공학) Engineering Science Capstone Design 1 (이공캡스톤디자인 1)	3	3	0
4	1	공필	Major Career Design 5 (전공진로설계5)	0.5	0	1
		전선E	Solid Mechanics(고체역학) Optoelectronic Materials Engineering (광전소재공학) Understanding Lithium Secondary Battery (리튬이차전지의 이해) Artificial Intelligence (인공지능) Engineering Science Capstone Design 2 (이공캡스톤디자인 2)	3	3	0
	2	공필	Major Career Design 6 (전공진로설계 6)	0.5	0	1
		전선 E	Optoelectronic Devices Engineering (광전소자공학) Display Engineering (디스플레이공학) Flexible and Printable Electronics (유연전인쇄자공학) Design Optimization Project for Energy System (에너지시스템최적설계프로젝트) Fuel cells (수소연료전지)	3	3	0

ACADEMIC CALENDER

APPLICATION SCHEDULE (SPRING SEMESTER)

Contents	1st Round	2nd Round	Remarks
Application Period	September 23rd ~ October 4th	November 6th ~ November 20th	<ul style="list-style-type: none"> - Submit application on JINHAK APPLY (http://www.jinhakapply.com/) - Application Fee : KRW 80,000 - It is required to submit an application form and other document after online registration
Required Document Submission	October 11th	November 27th	<ul style="list-style-type: none"> - Submit it by visiting or post office - Mailed documents will be accepted with the postmarked of the deadline
Notice of Interview Schedule	October 24th	December 6th	<ul style="list-style-type: none"> - Announcement to be made online on Jeonbuk National University webpage or email (www.jbnu.ac.kr/)
Interview	October 29th ~ October 30th	December 12th ~ December 13th	<ul style="list-style-type: none"> - Interview will be conducted by each departments - If the applicant resides in overseas, interview will be conducted via mobile or video call - Applicant will be disqualified if absent
Announcement of Successful Applicants	November 15th	December 31st	<ul style="list-style-type: none"> - Announcement to be made on Jeonbuk National University webpage or email (www.jbnu.ac.kr/)
Diploma /apostille submission /Additional Language Certificate Submission	By February 21st (fri), 2025		<ul style="list-style-type: none"> - Only for those who don't submit the documents below <ul style="list-style-type: none"> • Degree-related documents for prospective graduates • Certificate of Completion of JBNU Language School • The final language score of the person who submitted the test receipt - If other documents have not been submitted by deadline, they will be rejected
Bank Statement Submission	Check the Remarks →		<ul style="list-style-type: none"> - Successful Applicants Only - Amount: Over 16,000,000KRW (Approx. 13,000USD) - Students who stay in Korea: Only the applicant's own Korean bank account Issued within 30days before visa application. * In the case of D4→D2 Over 8,000,000KRW - Students who stay in overseas: Applicant's or Parents' bank account is available (Foreign bank is also okay) and it should be submitted by 24th Jan 2025.
Issuance of Certificate of Admission	To be announced		<ul style="list-style-type: none"> - The admission letter is only issued after tuition fee payment and all required document submission including provisional graduate students.
Tuition payment schedule	To be announced		<ul style="list-style-type: none"> - Payment schedule will be announced later (Jan 2025) - Make tuition payment at the designated banks
Semester Begin	March 4th		<ul style="list-style-type: none"> - Spring semester, 2025 begins

※ The English track of the School of International Engineering and Science can be admitted without a score of "TOPIK"

ACADEMIC CALENDER

APPLICATION SCHEDULE (FALL SEMESTER)

Contents	1st Round	2nd Round	Remarks
Application Period	March 18th ~ 29th	May 1st ~ 15th	<ul style="list-style-type: none"> - Submit application on JINHAK APPLY (http://www.jinhakapply.com/) - Application Fee : KRW 80,000 - It is required to submit an application form and other document after online registration
Required Document Submission	April 5th	May 21st	<ul style="list-style-type: none"> - Submit it by visiting or post office - Mailed documents will be accepted with the postmarked of the deadline
Notice of Interview Schedule	April 18th	June 5th	<ul style="list-style-type: none"> - Announcement to be made online on Jeonbuk National University webpage or email (www.jbnu.ac.kr/)
Interview	April 23rd ~ 24th	June 11th ~ 12th	<ul style="list-style-type: none"> - Interview will be conducted by each departments - If the applicant resides in overseas, interview will be conducted via mobile or video call - Applicant will be disqualified if absent
Announcement of Successful Applicants	May 10th	June 28th	<ul style="list-style-type: none"> - Announcement to be made on Jeonbuk National University webpage or email (www.jbnu.ac.kr/)
Diploma /apostille submission /Additional Language Certificate Submission	By August 23rd, 2024		<ul style="list-style-type: none"> - Only for those who don't submit the documents below <ul style="list-style-type: none"> • Degree-related documents for prospective graduates • Certificate of Completion of JBNU Language School • The final language score of the person who submitted the test receipt - If other documents have not been submitted by deadline, they will be rejected
Bank Statement Submission	Check the Remarks →		<ul style="list-style-type: none"> - Successful Applicants Only - Amount: Over 16,000,000KRW (Approx. 13,000USD) - Students who stay in Korea: Only the applicant's own Korean bank account Issued within 30days before visa application. * In the case of D4→D2 Over 8,000,000KRW - Issued after 1st Aug 2025 and submitted by 23rd, Aug 2024 - Students who stay in overseas: Applicant's or Parents' bank account is available (Foreign bank is also okay) and it should be submitted by submitted by 19th July 2025
Issuance of Certificate of Admission	To be announced		<ul style="list-style-type: none"> - The admission letter is only issued after tuition fee payment and all required document submission including provisional graduate students.
Tuition payment schedule	To be announced		<ul style="list-style-type: none"> - Payment schedule will be announced later (July 2025) - Make tuition payment at the designated banks
Semester Begin	September 1st		<ul style="list-style-type: none"> - Fall semester, 2025 begins

※ The schedule maybe changed and it will be announced upon any changes (any changes or amendments will be announced on the website) : <http://ioffice.cbnu.edu> (JBNU office of International Cooperation)

CAREER FIELDS AFTER GRADUATION

FROM THE SCHOOL OF INTERNATIONAL ENGINEERING AND SCIENCE(SIES)

Graduates of the SIES are equipped with the skills and knowledge to excel in diverse, high-demand industries. Our alumni find opportunities in:

- Renewable Energy: Innovating in solar, hydrogen, and bioenergy solutions.
- Secondary Batteries: Advancing battery technology for electric vehicles and other applications.
- Electrical and Electronics: Developing cutting-edge circuits, devices, and IoT systems.
- Public Corporations: Driving impactful engineering initiatives in government and semi-government sectors.

In addition to entering the workforce, many graduates choose to deepen their expertise through advanced studies. They enroll in prestigious master's and doctoral programs worldwide, further solidifying their standing as leaders in the engineering field. With an internationally recognized Bachelor of Engineering degree, our alumni secure positions at renowned domestic and global research institutes and leading multinational companies. The program also facilitates further education at top-tier overseas universities, empowering students to become global leaders in engineering and innovation.

SCHOLARSHIP SYSTEM

OF THE SCHOOL OF INTERNATIONAL ENGINEERING AND SCIENCE

Criteria for Foreign Students

- 100% based on academic performance
 - ※ In accordance with the scholarship calculation standards and payment guidelines for foreign undergraduate students at the School of International Engineering and Science.
 - ※ Exclusions: Students scheduled to graduate or complete their studies, students taking a leave of absence, students at risk of expulsion, or those who have exceeded the maximum years of study (4 years, 8 semesters).
 - ※ Scholarship eligibility: Students with a GPA of 2.75 or higher in the most recent semester and at least 15 completed credits (Note: Fourth-year students must have completed a minimum of 9 credits in their major).

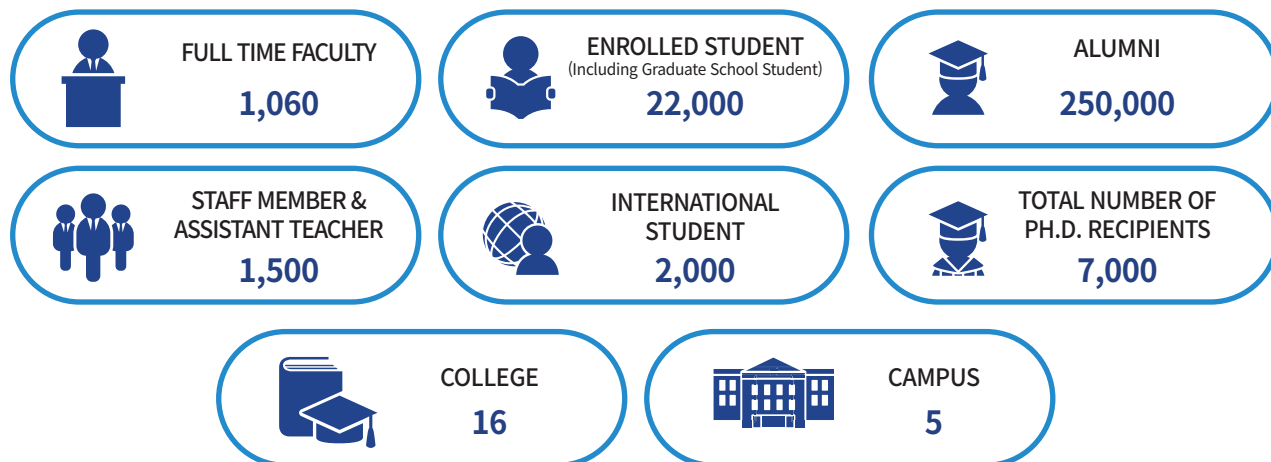
Criteria for Korean Students

- 80% based on academic performance + 20% based on official foreign language score + additional points
 - ※ Additional points
 - : Up to 5 points for participation in undergraduate events (1 point per event, maximum of 5 points).
 - ※ Certified foreign language test scores are required for students in the third semester (second year) of their studies. Transcripts must be submitted within the validity period.
 - ※ Completion of violence prevention education is a prerequisite for consideration for the on-campus tuition reduction scholarship (excluding the first semester of freshman year).

For more detailed information, please visit the university website
<https://sies.jbnu.ac.kr/sies/24791/subview.do>

JBNU NOW

JBNU is a member university of KNU10 Flagship National Universities. Professors and researchers are actively engaged in teaching and research, making significant contributions in the areas of engineering and agriculture.



UNIVERSITY AS A WHOLE

- **No.1** The JoongAng 2023, Among Flagship Korean National Universities
- **No.2** QS World University Rankings 2022, Among Flagship Korean National Universities
- **No.2** THE World University Rankings 2022, Among Flagship Korean National Universities
- **No.1** Leiden Ranking 2020~2022, Among Flagship Korean National Universities

Top 200 academic fields in the world

- **176th** Polymer Nano Science , **191st** Chemical Engineering

Top 300 academic fields in the world

- **212th** Condensed Matter Physics, **230th** Physical Chemistry, **240th** Biotechnology, **258th** Material Engineering

EXCELLENCE IN EDUCATION

Investing in Educational Projects for Students

- Among Flagship Korean National Universities **Top1** Student Satisfaction for 5 consecutive years (Korean Standard Association (KSA) 2019~2022)
- Among universities in Korea **Top7**, Among Flagship Korean National Universities **Top1** Educational Conditions (The JoongAng 2023)
- Among Flagship Korean National Universities **Top1** Research Funds per Professor
- 5,797 students Dormitory Capacity
- Among universities in Korea **Top1**, Library Evaluation (Ministry of education, 2017)

Transforming the World
for Tomorrow. Global TOP 100



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