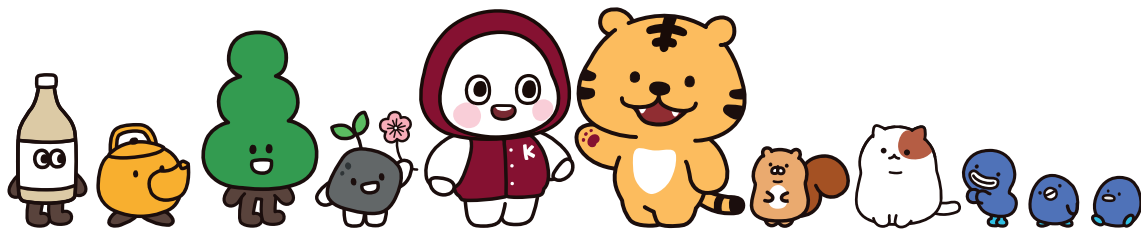


KU

Department Guidebook for International Students

KOREA UNIVERSITY



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Korea University Business School

Department of Business Administration

01



Department of Business Administration

Keyword

First and the Best, Global Business, World-Class Faculty, Best Scholarships, Start-Up Institute



Introduction to the department

THE FIRST

- Established the Department of Plutology, which heralded the beginning of the study of business administration in the country (1905)
- Inaugurated the first Department of Business Administration in the country (1955)
- Founded the first Business School in the country (1963)
- Established the first Advanced Management Program in the country (1975)
- Acquired the first Association to Advance Collegiate Schools of Business (AACSB) accreditation for all degree programs in the country (2005)
- Acquired the first EFMD Quality Improvement System (EQUIS) accreditation in the country (2007)
- Acquired exclusive full membership within the CEMS Global Alliance as the sole representative from the country (2015)

THE BEST

- The largest full-time faculty, with 83 professors
- The largest number of CPAs, with 175 in 2022, for 7 years in a row
- Student exchange with 102 overseas schools in 32 countries (225 incoming and 145 outgoing students in 2022)
- Incubation of 113 start-ups with investment of 40.2 billion won and a valuation of 200 billion won

Minor Specialization Areas

- **Management:** Analyzes the components of strategy, organization, leadership, motivation, conflict resolution, and control functions designed to effectively and efficiently achieve organizational goals.
- **International Business:** Nurtures leaders of global companies by offering insights into international finance, trade dynamics, supply chain management, and the potential for sustainable business, thus representing a comprehensive disciplinary approach.
- **Marketing:** Involves the definition and management of markets, enabling organizations and individuals to establish and sustain exchanges that align with their objectives.
- **Finance:** Analyzes the strategies employed by investors, financial firms, and corporations to optimize firm value and ensure efficient capital allocation through financing, operations, and risk management and promotes a comprehensive understanding of capital markets.
- **Accounting:** Quantifies the value of a company's operations to assess its performance and communicate its financial standing to internal and external stakeholders.
- **Logistics, Service, and Operations Management:** Pursues rational decision-making for companies through



Department of Business Administration

the scientific analysis of data derived from logistics, service, and production systems in order to create products and services, with a focus on practical implementation.

- **Management Information Systems:** Investigates problem-solving methods used by companies and assesses the generation of economic and social value by leveraging a variety of IT tools, including big data, artificial intelligence, and digital platforms.

Specialized Tracks for the Development of Expertise

- **Business Analytics:** This track allows students to develop data-driven decision-making abilities, encompassing the entire spectrum from data collection and integration to analysis and data-driven inferences. It offers a comprehensive range of courses that cover the core components of analytics, guiding students through descriptive, predictive, and prescriptive analytics.
- **Entrepreneurship and Innovation:** This track is tailored to transform students into resilient and problem-solving entrepreneurial leaders and empowered organizational members with a strong entrepreneurial spirit. The curriculum places a significant emphasis on fostering entrepreneurship, innovation, and collaboration, complemented by engaging lectures and activities offered by the KUBS Startup Institute.
- **Social Value and Sustainability in Business:** This track fosters an appreciation for social values, social responsibility, and sustainability within the framework of business philosophy and ethics, all while acknowledging the economic value derived from the pursuit of profit. It is designed to strengthen insights into and the pursuit of social values within corporate management.

KUBS: Reaching Towards the World

- **The Percentage of English-Taught Courses at KUBS:** 61.2%
- **Student Exchange Program:** As of 2023, KUBS boasts exchange partnerships with 102 universities across 32 countries and operates its own distinguished exchange program.
- **KUBS Challenge:** KUBS Challenge is an intra-campus business case competition organized by KUBS. The team that excels in this competition will earn the privilege of representing KUBS at the subsequent year's International Business Case Competition.

KUBS Supports Your Dream!

- **KUBS Scholarships:** KUBS has established a dedicated scholarship fund to promote equal academic opportunities for students and support their academic achievements, including the KUBS Academic Scholarship, KUBS Dream Scholarship, Outbound Exchange Student Scholarship, and TNT Program Scholarship.
- **Startup Institute:** KUBS offers diverse forms of support for students seeking entrepreneurial ventures.
- **Center for Digital Transformation & Business:** Aligned with the digital transformation trend, this center hosts Data Analytics for Business competitions and lecture series at colloquiums to assist students in becoming adept problem solvers specializing in on-site challenges associated with digital transformation.
- **Post-Graduation Career Pathways (1949 to Feb. 2023):** Leading corporations / Public enterprises / Public institutions / Accounting firms / Finance / Insurance / Consulting / International companies / Government departments / Entrepreneurial ventures (start-ups) / Graduate studies



Department of Business Administration

Learn more about academic societies and clubs:

- <https://biz.korea.ac.kr/activities/clubs>

Learn more about department

<https://biz.korea.ac.kr/eng/main/main/html>





College of Liberal Arts

Department of Korean Language and Literature

Department of Philosophy

Department of Korean History

Department of History

Department of Sociology

Department of Sinographic Literatures

Department of English Language and Literature

Department of German Language and Literature

Department of French Language and Literature

Department of Chinese Language and Literature

Department of Russian Language and Literature

Department of Japanese Language and Literature

Department of Spanish Language and Literature

Department of Linguistics



Department of Korean Language and Literature

Keyword

Korean Linguistics, Modern Korean Literature, Korean Literature in classical Chinese, Korean Language and Culture Education



Introduction to the department

The Department of Korean Language and Literature was established on August 15, 1946. Our faculty is composed of top-notch scholars noted for their outstanding academic achievements. They have dedicated themselves to establishing a sincere and enthusiastic research environment. Moreover, these scholars continue to devote themselves to research even after retirement, setting an example for future scholars. Currently, we have several full-time professors responsible for teaching sub-fields such as Korean Linguistics, Modern Korean Literature, Classical Korean Literature, Korean Literature in Classical Chinese, and Korean Language and Culture Education. Due to these ongoing initiatives, our department has been widely recognized in academic circles.

In the Department of Korean Language and Literature, students will be able to dive deeply into the history and culture of the Korean Peninsula. At the same time, students are encouraged to rigorously study the Korean language and writing they are already accustomed to. Furthermore, the department has a positive outlook because it embraces an academic approach that brings Korean language and culture to the forefront in the era of globalization. For example, the studies conducted within the department consider the cultural impact and legacy of the Korean Wave. As noted above, the department consists of five sub-fields in which students can choose to specialize. With the nation's best faculty and curriculum, the department helps students develop their intellectual curiosity about Korean language and literature and become talented individuals in humanities. Because global attention on Korean literature is constantly increasing, the department has a promising future and is guaranteed to expand its influence worldwide.

When studying the Korean language and literature, many students believe it's only about reading and writing literary works such as poetry and novels. However, that's not all there is to it. In Korean language and literature studies, students can study Korean grammar and literature extensively, which they learned in middle and high school. Moreover, students can learn the teaching skills required to educate not only Koreans but also non-native speakers around the world. Of course, a keen interest and basic knowledge of Korean language and literary works are prerequisites to enroll in our Department. In addition to these requirements, students must strive to enhance their logical thinking skills, analytical skills, literary sensibility, and imagination by meticulously reading materials on various fields such as science, philosophy, history, and literature.

By no means Korean language and literature studies is the backbone of "Korean Studies," which has recently been in the spotlight. At this time when Korea's international influence is enhancing, Korean language and literature studies will become an essential field within Korean studies. Considering the growing global demand to learn Korean and read Korean literature and the Korean Wave becoming a transcending phenomenon, the career opportunities for our graduates are also prone to rise. Even now, numerous talents from the



Department of Korean Language and Literature

Department are at the center of Korea's success by playing leading roles in fields such as education, media, and culture.

Learn more about department

<https://lib001.korea.ac.kr>





Department of Philosophy

Keyword

Western Philosophy, Eastern Philosophy, Human-being, World, Truth



Introduction to the department

Established in 1946, the Department of Philosophy at Korea University has accomplished remarkable feats and marched forward alongside the international and Korean philosophy community for over half a century. It pursues a comprehensive understanding and the in-depth study of Eastern and Western philosophy to instill among its students a systematic perspective on the world and the people in it.

1946	The Department of Philosophy is established.
1950. 05	The Department's first six Bachelor's degree holders graduate.
1952	The Department is incorporated into the College of Liberal Arts and Sciences.
1955	The first issue of the Journal of the Society of Philosophical Studies is published.
1975	The Department's first Ph.D. graduates.
1982	The Society for Chinese Philosophy is established.
1986	The Society for the Korean History of Thought is established.
1996	An academic conference in celebration of the 50th Foundation Anniversary of the Department is held.
1986	The Institute of Philosophical Studies is established.
2002	An international conference in association with Universität Bremen is held and the Public Rationality Research Project is launched.
2005	The Mind-Body Program Research Project is launched.
2006	Professor Emeritus Sa-Soon Youn delivers a special lecture at College de France.
2009	The National Priority Research Project is launched.

Learn more about department

https://lib003.korea.edu/lib003_en/index.do





Department of Korean History

Keyword

Korean Studies, Korean Culture, Korean History, East Asia, North Korea–South Korea Relations



Introduction to the department

▪ About the Department

The Department of Korean History at Korea University has its roots in the Department of History. Founded on August 15, 1946, the Department of History was established in response to the new historical phase that the nation was about to embark upon. In 1989, a new department specializing in teaching and researching Korean history officially began its journey. Since its establishment, the Department of Korean History has produced many outstanding scholars who have made significant contributions to the field of history. Other graduates who have pursued their careers outside of academia also play active roles in various areas.

The Department of Korean History has nine faculty members with a wide range of research specialties spanning from ancient to contemporary history. The curriculum provides introductory-level courses that offer general historical knowledge of major periods of Korean history. The rigorous curriculum also includes academic courses dedicated to deepening students' understanding of Korean history, which will help them to choose their areas of specialization and continue further studies.

▪ Vision and Mission

The Department of Korean History strives to uphold the Department of History's 70-year-old legacy. To do so, the department is devoted to pioneering new fields of research and training students to become skilled scholars. The following is a list of the educational objectives we strive to achieve:

1. We facilitate the growth of innovative, talented individuals with a thorough understanding of Korean history. These individuals have strong critical thinking skills and uphold the ideals of democratic citizenship. The department aims to discover new academic knowledge on Korea's historical sources and cultural values. By doing so, the department produces students with critical and analytical thinking skills. As a result, these students can respond to the rapid and unexpected changes that occur in society and be ready for the future.
2. We produce well-rounded scholars with a global perspective. Our graduate school programs are tailored to adapt to globalization-induced changes. The department honors global citizenship and universal values. It also promotes the identity of individuals as bearers of peace and cooperation in East Asia.
3. We teach the next generation of academics to understand the importance of inter-Korean exchanges and cooperation, which is crucial for potential Korean reunification. We believe that the collective memory of Korean history can restore the sense of common heritage. Hence, we not only actively pursue inter-Korean exchanges in historical studies but also support the next generation of academics who will continue making progress in this area.



Department of Korean History

Learn more about department

<https://koreahistory.korea.ac.kr>





Department of History

Keyword

History, East Asia, Global, Culture, Global Perspectives



Introduction to the department

The Department of History was established in August 1946. In 1989, the Department of History reached a crossroads when it was divided into three separate departments: Korean History, Eastern History, and Western History. However, the Eastern History and Western History departments reunited as the Department of History in March 2004, while the Department of Korean History remained independent. As of September 2023, the Department of History and Korean History graduate schools will be re-integrated into the unified Department of History graduate school. This decision was made to train students to develop a more comprehensive perspective of world history in response to the rapid advance in globalization.

The Department of History offers various courses on Eastern and Western history. History majors are required to take courses that cover a wide range of eras from ancient to contemporary in both Eastern and Western history and various nations and regions. We also offer courses on numerous topics such as cross-cultural exchanges in world history, women and gender history, genocide, and historical and cultural content. Currently, the department is led by outstanding faculty members known for their academic excellence in their respective fields. In addition to these recognized leaders, we invite one to two visiting scholars per semester to promote student understanding of the globalized world and encourage them to participate in international exchanges. Furthermore, the department encourages students to study abroad via participation in Korea University's exchange programs. Students can study for one or two semesters at universities worldwide that are part of a reciprocal exchange student agreement.

Learn more about department

<https://kuhistory.korea.ac.k>





Department of Sociology

Keyword

Society, Structure, Network, Analysis, Practice



Introduction to the department

Since its establishment in 1963, the Department of Sociology has produced about 5000 graduates who have excelled in a variety of fields, including commerce, politics, media, broadcasting, culture, academia, and the arts. The department is well-known for being the largest sociology department in Korea with outstanding faculty members who also excel in their respective research fields.

Sociology is essential for understanding and addressing a world that is rapidly changing due to globalization and informatization. In particular, in the era of rapid economic growth and digital transformation, Korean society faces complex social issues and new problems caused by the side effects of its miraculous development. Given the rapid pace of Korean history, every generation has experienced its own distinctive historical moments, both economically and politically. Our grandparents were born in colonial times, our parents experienced dictatorships, and the younger generation has been born into democracy. Thus, these generations have very different cultural orientations. The declining birth rate, the rapid increase in the aging population, widening social inequality caused by employment insecurity, and a growing desire for a higher quality of life are some of the urgent issues that need to be addressed. Under these circumstances, the importance of sociology as a discipline has risen.

Studying sociology encourages students to develop a critical perspective and sociological imagination, which is necessary to connect individual problems to broader public issues. Students are also able to cultivate the mature sense of citizenship required by pluralistic democratic societies. Our curriculum delivers both the theory and methodologies of scientific analysis, which are required for students to conduct systematic and in-depth research on fragments of reality and to understand the practical implications arising from this.

The department's curriculum focuses on four critical dimensions: politics, economics, society, and culture. In addition, the department strives to provide graduate school students with the finest research environment; for example, almost all graduate students receive scholarships.

Careers associated with the resolution of social conflicts:

Economic and social conflicts have intensified recently on a national scale. Conflict resolution experts analyze, manage, and resolve multiple disputes, such as the relationship between companies and employees and the conflict between the upper and lower social classes, the older and younger generations, and conservatives and progressives.

Careers in public policy and other relevant fields:



Department of Sociology

Policies can affect society in many ways. When formulating policies for events, economics, the media, welfare, and immigration, not only are economists and legal professionals needed, but also sociologists with a thorough understanding of the society in which the policies will be enacted are required. For this reason, research institutes and policy institutes represent a blue ocean for graduates.

Careers related to trend analysis:

Trends come and go quickly in a fast-changing society. Jobs that analyze and forecast upcoming trends are also suitable career paths for sociology majors who stay up-to-date with current events.

Careers in media-related fields:

By studying sociology, students will develop a broad understanding of social phenomena. Hence, graduates from our department can seek opportunities in the media industry. Representative career paths include reporters, producers, and anchors with newspapers and broadcasting stations.

Careers in the legal field:

Since the introduction of the law school system in Korea, no departments teach law in their undergraduate courses. In developed countries such as the United States, many students study sociology as undergraduates with a view to attending law school later. Students are highly recommended to take courses on law and society offered by the Department of Sociology to become competent lawyers.

Careers in data analytics and survey methodologies:

Qualitative and quantitative methodologies are the core strength of sociology, including social statistics, social research methods, and qualitative and quantitative analysis. Data analytics has become more critical than ever. Building databases, data curation, and analyzing empirical evidence have become a pivotal part of contemporary society.

Learn more about department

<https://socio.korea.ac.kr>





Department of Sinographic Literatures

Keyword

East Asian Classical Studies, Korean Literature in Literary Sinitic, Sinographic Sphere, Translation of East Asian Classics in Literary Sinitic, Global Humanities



Introduction to the department

Purpose of the Department

In 1987, the Department of Sinographic Literatures was created with the purpose of promoting a methodical understanding of Literary Sinitic texts and cultivating a general awareness of East Asia studies encompassing literature, history, and philosophy. Until the beginning of the twentieth century, the bulk of intellectual and cultural accomplishments of Sinographic sphere including Korea, China, Japan, and Vietnam, had been written in Literary Sinitic. Arranging, translating and researching them is a significant task in order to preserve and restore them in the present day, as well as to supply the results of such preservation and renewal to assorted divisions of society and academia. The Department is dedicated to meeting both social and scholarly needs by educating professionals able to carry out this task in numerous social and academic areas.

What is Sinographic Literature?

Investigating Sinographic Literature involves studying all writings in Literary Sinitic and its scope encompasses the accomplishments of the humanities and natural sciences in the East Asia's Sinographic sphere from antiquity to the present. It has a much wider purview than other fields of study that concentrate on a particular subject. Inquiring into Sinographic Literatures not only provides an opportunity to explore the extensive academic accomplishments of the Sinographic sphere, including literature, history, philosophy, and the natural sciences, but also to delve into the vast intellectual and cultural inheritance of East Asia, which has been accumulated since antiquity up to the present, from both contemporary and modern perspective. Furthermore, the humanistic liberal arts education attained from learning East Asian Classics will be a great beneficial asset to you both intellectually and emotionally when you join the work world and become involved in various areas of society after your graduation.

Vision of the Department

The East Asia's Sinographic sphere is an unparalleled cultural region in the history of the world, which has historically existed more than two millennia as a community of shared written script. A hundred years ago, literati in the Sinographic sphere including Korea employed Literary Sinitic to produce literary works that expressed their feelings, to encapsulate the essence of scholarly reflections, to communicate heartfelt letters, and to draft official and diplomatic documents. The primary vision of the Department is to unearth, recreate, and share the forgotten values of the traditional era by educating professionals in Literary Sinitic serving as bridges between the traditional and the modern era.

Another vision of the Department is the globalization of Sinographic Literatures. Comprehending Sinographic



Department of Sinographic Literatures

Literature is a vital task to grasp the achievements of cultural heritage of East Asia's Sinographic sphere. Over the past millennia, many countries in the Sinographic sphere have shared the common script of Literary Sinitic, unifying in diversity, and its intellectual and cultural heritage has become a world heritage extending beyond East Asia. Nowadays, Sinographic Literatures are being explored from the global humanities perspective across the globe, and the Department is reinforcing academic collaboration with foremost overseas research institutes and researchers.

Academic Exchanges

The Department promotes various scholarly exchanges with eminent universities and institutes around the world, including MIT, Harvard University in the US, University of British Columbia in Canada, University of Copenhagen in Denmark, Ruhr University Bochum in Germany, University of London SOAS in England, Waseda University, Ritsumeikan University, Meiji University in Japan, Peking University, Nanjing University, Hong Kong Baptist University in China, by hosting conferences and conducting collaborative researches etc. Furthermore, we provide other educational exchange programs such as global classroom programs and overseas study programs.

Career Paths

- Academia: university professors, professionals in Literary Sinitic, translator of Literary Sinitic texts, etc.
- Education: middle and high school teachers, university staffs, etc.
- Government, Business, Media: employees at governmental organizations and public administrations, major companies and financial institutions, medias, etc.
- Others: librarians, translators for works on East Asian studies, rewriters of East Asia's Classics, doctors of Korean medicine, museum curators

Learn more about department

<http://sinolit.korea.ac.kr>





Department of English Language and Literature

Keyword

English Linguistics, English Literature, Communicative Competence, Creativity, Global Talent



Introduction to the department

Korea University's Department of English Language and Literature was established in August 1946 as part of the College of Liberal Arts. We take pride in our 80 years of history and tradition. With our renowned faculty members, we offer an array of courses covering fields of study from English linguistics to various genres within English literature. With dedicated native English-speaking professors, we also provide courses such as English Major Training that aim to improve our students' English proficiency in terms of conversation and writing skills.

The department aims to contribute to the nation and society by facilitating the growth of talented individuals with global perspectives. To achieve this goal, the department's introductory fundamental courses help students to thoroughly understand English and English literature. Students can also develop critical thinking and creativity by studying at our department. These essential skills will prepare them to become influential individuals who contribute to the development of society. In addition, the department strives to train its students to communicate freely in English, the international language.

Within the department, more than 60% of courses for the majors are delivered in English. Some students may feel overwhelmed by this, but it can act as a source of positive pressure. Even though the students may feel pressure taking courses in English, they will become fluent as a native speaker. In addition, students study Western history, society, and culture by discussing literature such as poetry, novels, and plays. At the same time, students study English linguistics.

Our graduates have chosen to pursue careers not only in English but also in social fields, including business, finance, politics, and media. Our graduates are prepared to fill a variety of roles because the curriculum expands students' understanding of human nature, enhances social skills, and maximizes creative thinking. These educational initiatives allow our students to become highly competent and talented individuals in the era of globalization.

Learn more about department

<https://english.korea.ac.kr>





Department of German Language and Literature

Keyword

German, German Literature, German-speaking Regional Studies, German-Speaking Culture, EU



Introduction to the department

Since its establishment in 1963, the Department of German Language and Literature has produced numerous talented graduates who play pivotal roles in multiple fields such as academia, education, business, law, publishing, culture, press, government, and public administration.

This department has had a profound impact on academics, arts, politics, economics, and culture around the world. The department prepares its students to acquire language proficiency in German because Germany continues to play a vital role in the European Union. With their enhanced language skills, students can explore theories associated with German linguistics, literature, areas, and cultural studies.

The department's curriculum is focused on delivering a systematic and in-depth understanding of the German language, which is a fundamental requirement for German Language and Literature majors. In addition, the department provides courses that help students to obtain a critical understanding of German society and culture. Other courses train students to thoroughly learn the German language and literature and excel in German-to-Korean and Korean-to-German translation. Overall, our curriculum facilitates the growth of talented individuals who are highly qualified to pursue various professional careers. We have also established reciprocal student exchange agreements with numerous German universities that offer our students opportunities to study abroad. Students are encouraged to participate in these opportunities, which will help them to develop global perspectives and gain a diverse range of experiences.

Learn more about department

<https://kugermanistik.korea.ac.kr/german/index.do>





Department of French Language and Literature

Keyword

Liberty, Diversity, Humanities, International Sensibility, Future Orientation



Introduction to the department

The Department of French Language and Literature is a prestigious institution with a long-standing tradition and history. For over half a century since its establishment in 1963, it has been producing the essential core talent required by society. Over 2,500 department alumni have achieved outstanding accomplishments in various fields, exerting influence in areas such as literature, language, culture, arts, economy, politics, and diplomacy.

The primary objective of the department is to produce exceptional individuals with a creative vision for the modern and future world who also cherish the rich heritage of Western humanities. To achieve this goal, the department offers a diverse range of language courses to substantially improve students' proficiency in French, as well as various subjects related to French literature and culture from the medieval to the modern era, fostering talented students equipped with profound knowledge and insights.

Furthermore, the department provides all students with the opportunity to participate in international exchange programs, broadening their global perspective and offering a diverse range of experiences in humanities research.

In particular, the Department of French Language and Literature emphasizes the diversity of exchanges and humanities research with a focus on the translation between Korea and France. It meticulously designs and operates special educational programs in this regard, allowing students to develop diverse cultural backgrounds and perspectives, enhancing their creative and pragmatic problem-solving skills to become future leaders in society.

Through an in-depth exploration of French literature and culture, the department offers an education that provides a future-oriented perspective on contemporary society and globalization. In doing so, it supports students in becoming outstandingly talented individuals with significant intellectual wealth and a strong vision.

Learn more about department

https://kufra.korea.edu/kufra_en/index.do





Department of Chinese Language and Literature

Keyword

Chinese Language, Chinese Linguistics, Classical and Modern Chinese Literature, Chinese Culture



Introduction to the department

The Department of Chinese Language and Literature at Korea University has a rich history and takes a comprehensive approach to educating students about Chinese language, culture, and literature. The department's focus is on connecting the ancient heritage of Chinese culture with the modern world. By studying Chinese language, culture, and literature, students gain a deeper understanding of China's rich history and its influence on the present.

The academic offerings of the department encompass various aspects of Chinese studies.

- Chinese Language:** The department provides comprehensive language training to develop proficiency in listening, speaking, writing, and reading Chinese.
- Chinese Linguistics:** Students delve into the historical evolution and structural intricacies of the Chinese language.
- Classical and Modern Chinese Literature:** Courses cover both classical and contemporary Chinese literary works. Students engage with classical classics, poetry, novels, prose, and modern works by influential figures such as Lu Xun.
- Chinese Culture:** This segment of the curriculum exposes students to various aspects of Chinese culture that have thrived throughout history.

The department also offers special initiatives to enhance the learning experience.

- Chinese-Taught Majors:** Students can benefit from a combination of Korean and Chinese language instruction, providing them with a well-rounded language education.
- College of Liberal Arts 7+1 Program:** Students have the opportunity to earn up to 14 semester credits by studying at Beijing Language and Culture University in China, allowing for an immersive experience in the Chinese language and culture.

Upon graduation, students have various pathways to choose from, including the following:

Academia: Graduates can pursue careers as professors, educators, and researchers, contributing to the academic advancement of Chinese studies.

Media, Publishing, and Culture: Opportunities include roles as journalists, broadcast producers, writers, film translators, simultaneous interpreters, and editors, thus fostering cultural exchange.

Government, Public Sector, and Law: Graduates can become government officials, judges, lawyers, and diplomats and contribute to international relations and diplomacy.

Business and Finance: Careers in corporate leadership with a China focus, financial industry roles in banking, securities, insurance, and accountancy, as well as customs officers and trade experts.



Department of Chinese Language and Literature

Learn more about department

<https://kuchinese.korea.ac.kr/kuchinese/index.do>





Department of Russian Language and Literature

Keyword

Russia, Russian Language, Russian Literature, CIS, Regional Studies



Introduction to the department

The Department of Russian Language and Literature fosters experts with professional Russian proficiency. It also strives to facilitate the growth of talented individuals with an in-depth understanding of Russia's rich cultural heritage and extensive knowledge of Russian studies. In addition, our pedagogical aim is to train our students with regional expertise in Russia and the CIS. We strive to teach not only the importance of peaceful coexistence but also global perspectives and leadership. The department focuses on the theory of Russian language, Russian literature, and Russian and CIS area studies. We also aim to equip our students with practical skills. Our graduates have pursued opportunities related to cultural exchange and cooperation with Russia, economics and commerce, and politics and diplomacy. They have successfully completed specific and practical tasks that meet the needs of modern trends.

The department seeks to train students to become convergent global leaders and generalists ready to tackle the challenges of the 21st century by continuing the legacy of Russia's critical Intelligentsia. Students will develop a humanistic mindset by rigorously studying Russian language, literature, and culture. This mindset will enable them to develop creative and comprehensive insights into the overall socio-cultural changes occurring now and about to happen in the future. The department aims to help our students become influential experts in language and literature, literary critics, professional interpreters and translators, practical experts in the arts and culture industry, and global business leaders. Graduates with practical skills can contribute significantly to the development of Korea's cultural reach, international trade, and cultural exchange. The department encourages its students to develop an interest in a variety of fields of Russian studies. Within the curriculum are introductory language courses that guide students in the basics of the Russian language, Russian literature, and the region's area studies. These courses will help students to improve their Russian proficiency.

After establishing a basic cultural understanding of Russian language, students can develop concentrated and extensive knowledge of linguistics, literature, and cultural studies. Lastly, this department offers a course that explores CIS area studies. Many graduates who took this course are playing pioneering roles as diplomats in CIS member states.

Learn more about department

<https://kuruss.korea.ac.kr>





Department of Japanese Language and Literature

Keyword

Department of Japanese Language and Literature, Japanese Language, Japanese Culture, The Best Research Institute in Korea



Introduction to the department

Established within the College of Liberal Arts in 1983, the Department of Japanese Language and Literature has produced approximately 2000 graduates. The department has been recognized internally and externally for its academic achievements based on its outstanding research and research environment. As a result, it has been selected as the principal research institute for significant state-led projects. In addition, the department is renowned for being the top research and education institution for Japanese studies in Korea; every year, it has been one of the highest-ranked departments in various college rankings.

Our department requires students to learn the prerequisites needed to study and conduct extensive research on Japan. First and foremost, students should be equipped with in-depth knowledge and proficiency in Japanese. Prospective students must be able to communicate with native Japanese freely. Moreover, prospective students must fully understand Japanese literature and academic resources and construct their own convincing arguments in Japanese. Students will be able to develop this proficiency in Japanese through Japanese language courses for first- and second-year students. Then, as juniors and seniors, students will be required to take more specific courses for Japanese studies majors. These courses will teach students topics such as theories about the Japanese language, Japanese linguistics, Japanese literature, Japanese studies, and other relevant research methodologies.

As indicated by its name, the Department of Japanese Language and Literature focuses not only on the Japanese language itself but also its literature and culture. Therefore, our department aims to explore Japan's language, literature, society, politics, economics, and culture by applying various approaches from within the humanities and social sciences. We explore answers to the questions of how the Japanese culture we know was created and introduced to Korea and how we should respond to Japan's developing geopolitics. These efforts will contribute to establishing a desirable partnership between Korea and Japan and a forward-looking East-Asian community.

Alumni of the department currently work in various sectors of society, including academia, business, and law. They are proving to be highly competent and specialized individuals for the career market.

The specific career paths chosen by our graduates include the following:

Academia and education: Professors, middle and high school teachers, researchers at governmental and private research institutes, etc.

Business: Employees in major companies in Korea and Japan, public enterprises, companies in the aviation industry, and other multinational corporations, etc.

Media: Journalists, producers, broadcast writers, reporters, simultaneous interpreters, etc.

Administration and law: Civil servants, diplomats, national Intelligence Service agents, judges, prosecutors,



Department of Japanese Language and Literature

lawyers, patent attorneys, foreign attorneys, experts in Japanese law, employees at law firms, etc.

Finance: Employees at banks, security firms, accounting firms, investment advisors specializing in the Japanese economy, etc.

International commerce: Employees at companies participating in international trade, Vessel Operating Common Carriers, trade organizations, and the Chamber of Commerce and Industry, etc.

Learn more about department

<http://www.kujap.com/>





Department of Spanish Language and Literature

Keyword

Spanish Literature, Latin American Literature, Spanish Linguistics, Latin American Regional Studies, Digitally Interdisciplinary Studies in Hispanic Culture



Introduction to the department

Established in 1983, the Department of Spanish Language and Literature at Korea University opened a new chapter in the field of Spanish and Latin American studies. This innovation arose in the context of the growing importance of the Spanish language and Latin American culture in the era of globalization.

Spanish holds a position of global importance, with over 500 million native speakers distributed across regions from Spain, most Latin American countries, the Philippines, Northern Africa, and Equatorial Guinea. Additionally, the language has a strong presence in the Midwest and Southeastern regions of the United States, such as California, Texas, and Florida. Currently, Spanish is the fourth most widely spoken language worldwide, after Chinese, English, and Hindi. When focusing on native speakers, it holds the rank of the second most widely spoken language on a global scale.

Furthermore, major international organizations, including the United Nations, have selected Spanish as one of their official languages. Due to its ever-growing significance, Spanish has become the most essential language in international affairs, encompassing politics, diplomacy, commerce, and culture. Consequently, it serves as the preferred second foreign language in many developed countries, such as the United States and several European countries. According to experts in international affairs, Spanish is expected to maintain its status as the most used language in global business moving forward.

In particular, Latin American countries have emerged as some of Korea's main export markets since economic reforms and trade liberalization took place in the 1990s. Moreover, as the impact of economic and political blocs like the North American Free Trade Agreement (NAFTA) and MERCOSUR (The Southern Common Market) increases, so does Latin America's geopolitical and economic significance. Due to these international developments, the demand for professionals proficient in Spanish is on the rise. Additionally, with the onset of the Fourth Industrial Revolution, there is a growing demand in many Hispanic countries for overseas "Digital Convergence Talent" with expertise in maintaining skills and techniques in digital humanities.

The department has been a hub for Spanish studies in Korea, conducting comprehensive research across various fields, led by distinguished professors who have studied abroad in Spain, Latin America, and the United States.

In particular, our curriculum focuses on the Spanish language, as well as the literature and culture of the Hispanic world to help students play a leading role in expanding the spectrum of exchanges with Spanish-speaking countries. To this end, we have established reciprocal student-exchange agreements with various universities in countries such as Spain, Mexico, Colombia, Chile, Uruguay, Argentina, and Peru to facilitate study-abroad programs.

Students who are fluent in Spanish are at a great advantage when they enroll in our Department. However,



Department of Spanish Language and Literature

this alone is not enough to complete the program successfully. Therefore, in addition to improving Spanish proficiency, the department requires its students to develop linguistic competence in Spanish. This competence extends beyond mere language skills and includes an understanding of the mindset and socio-cultural context of Hispanic culture.

Moreover, our department emphasizes the development of a comprehensive knowledge base that covers the history, language, and culture of the Hispanic world. In addition to this core curriculum, the department aims to facilitate the development of digital convergence talent who take on the role of professionals utilizing digital research skills and techniques on subjects and fields within Hispanic humanities.

Learn more about department

<https://spanish.korea.ac.kr/spanish/index.do>





Department of Linguistics

Keyword

Theoretical Linguistics, Language Acquisition, Computational Linguistics, Semiotics



Introduction to the department

The Department of Linguistics at Korea University was established in 1989 due to the growing demand for talented individuals who can take the lead in an information society. In 1993, it produced its first graduates. The Department of Linguistics provides education and research on all aspects of language, including branches of traditional theoretical linguistics, such as phonetics, syntax, semantics, and pragmatics. Moreover, the department has made significant contributions in the fields of applied linguistics with specializations in first- and second-language acquisition, computational linguistics (natural language processing, language-data processing), and semiotics (language and media, language of advertising). In addition to English, students can learn a second and a third language of their choice from among Chinese, French, German, Japanese, Russian, and Spanish. They may also learn computer languages such as Python, Perl, or R in accordance with their aptitude and interests.

Affiliated Research Institutes

• Research Institute for Language and Information

The Research Institute for Language and Information was established in 1993. Our objectives are to research new theories and techniques related to the processing of natural language texts and information and to develop applications for the humanities and social science fields. To fulfill these goals, the institute recruits rising researchers with doctoral degrees in various linguistics-related fields as research professors. In addition, it carries out joint research and academic-industrial cooperation with domestic and international experts to contribute to the advancement of the humanities and linguistics. Extensive research has been conducted in branches of theoretical linguistics, including phonetics, phonology, morphology, syntax, semantics, and pragmatics, as well as in areas of applied linguistics, including language acquisition and education, discourse in cognitive linguistics, sociolinguistics, computational linguistics, comparative linguistics, and corpus linguistics.

• Center for Applied Cultural Science

The primary objective of this center is to engage in activities in the fields of education, research, and application. In particular, the center aims to facilitate productive and creative interdisciplinary dialogue among specialists in the humanities, social sciences, arts, and sciences on common themes such as media, communication, and culture.



Department of Linguistics

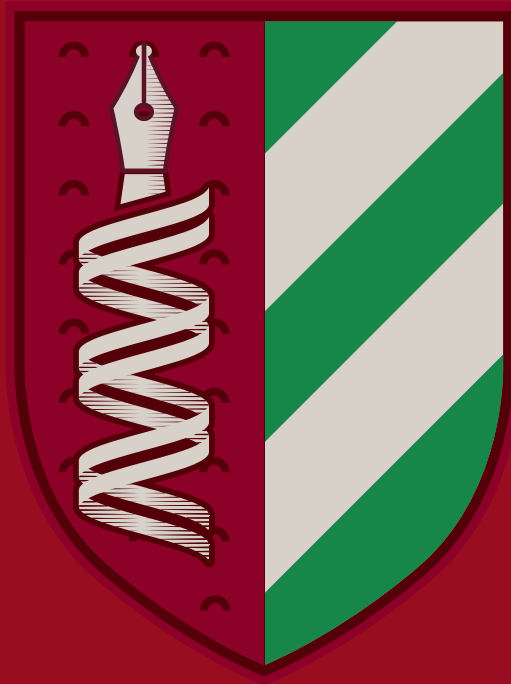
Career Paths and Alumni Footprints

Graduates from the Korea University Department of Linguistics have pursued a variety of career paths, including educational institutions, domestic and foreign language education institutes, language treatment centers, the press, broadcasting stations, and companies developing English and Korean language learning programs. Moreover, many of our graduates thrive in advertising, publishing, interpretation, translation, software development, information, and data processing positions. Lastly, with analytical skills and creativity acquired from the analysis of language and language-related phenomena, many of our graduates have found career opportunities in a range of private corporations.

Learn more about department

<http://kling.korea.ac.kr>





College of Life Sciences and Biotechnology

Division of Life Sciences

Division of Biotechnology

Department of Food Bioscience & Technology

**Division of Environmental Science &
Ecological Engineering**

Department of Food and Resource Economics

03



Division of Life Sciences

Keyword

Life Science, Cell Biology, Molecular Biology, Microbiology, Biochemistry



Introduction to the department

The Division of Life Sciences is a leading department for the study of basic life sciences based around the integration of biology and genetic engineering. Students learn and explore the principles of life phenomena for humans, animals, plants, and microorganisms based on basic life sciences such as general biology, genetics, cell biology, molecular biology, biochemistry, and microbiology. A teaching course is also available to train life science teachers. In other words, the Division of Life Sciences is at the forefront of this field in Korea with a solid curriculum, a world-class faculty, and excellent graduate programs.

Life and death are often considered to be one of the greatest mysteries in the world. People often ponder the division between being alive and dead and what it means to be alive. In addition, the mysterious characteristics of life that connect each individual, such as the genes we inherit from our parents and the similarities between human and animal behavior are both fascinating and intriguing. Life science aims to understand these mysterious phenomena of life and apply this knowledge to solve problems that we face in areas such as medicine, food, the environment, and energy. The ultimate goal is to understand the essence of all living things, including humans. Therefore, life science is not just a science in the theoretical sense but is also employed in fields such as law, psychology, and sociology. In essence, life science explains the relationship between humans and nature by providing a deeper understanding of human nature.

Learn more about division

<http://ls.korea.ac.kr>





Division of Biotechnology

Keyword

Biotechnology, Animal Biotechnology, Plant Biotechnology, Molecular Biotechnology



Introduction to the department

Biotechnology-based majors were first introduced at Korea University in 1951 to facilitate the pursuit of national prosperity and humanity through research and education on life phenomena, after which they were reorganized and merged into the Division of Biotechnology in 2006. This is the national largest biotechnology department, consisting of 29 faculty members, 600 undergraduates, and 300 graduate students, within which students can experience and study various biotechnology fields with professors with diverse educational and research experience at world-class universities and research institutes.

Biotechnology is the study of biochemical processes in order to exploit useful properties of living things for the development of industrially useful products or to improve the process of making these products. If biology is simply the study of life phenomena, biotechnology goes one step further and selects useful biological knowledge for use in industrial applications.

In addition to basic life sciences, the Division of Biotechnology covers a variety of biotechnology fields, including medicine, pharmacy, agriculture, and environmental studies. It mainly focuses on animal, plant, and molecular biotechnology. Animal biotechnology involves the study of the physiology and genetic information of animals, the development of new drugs to treat human diseases, and research related to gene therapy. Plant biotechnology aims to develop eco-friendly, highly productive, and/or highly functional crops by understanding the growth and development of plants. Molecular biotechnology interprets life phenomena at the molecular level based on chemistry and mainly targets the development of applications for the pharmaceutical, food, and chemical industries.

Learn more about division

https://bio.korea.edu/bio_en/





Department of Food Bioscience & Technology

Keyword

Food Safety, Food Engineering, Food Microbiology,
Food Biochemistry, Food Biotechnology



Introduction to the department

The Department of Food Bioscience & Technology at Korea University is affiliated with the College of Life Sciences & Biotechnology and is the largest educational institution in Korea specializing in food science and technology. In 2008, the department secured research funds amounting to 7 billion KRW (approximately 5.3 million USD) from CJ CheilJedang, leading to the establishment of a research center focused on food safety. Attracting this level of investment is an uncommon accomplishment in Korea. Building on this foundation, the department is poised for continuous development in the field of food engineering, driven by education, research, and collaboration with industry players. Currently, it operates nine laboratories across a diverse range of food and bio-related fields. Graduate students are dispatched to famous research laboratories in Korea and abroad, and international cooperation research is also actively conducted.

As its name suggests, food engineering is a discipline that studies food, and the importance of food does not require many words. Energy is essential for human activity, and food is the source of that energy. Therefore, food must be present in some form everywhere on Earth as long as humans exist. Technological advances and the passage of time have brought about many changes to dietary cultures. The development of thousands of instant foods tailored for busy modern people is a clear example. Food engineering plays a significant role in this process. Food engineering is also responsible for transforming food beyond its basic caloric purpose, reinventing it as functional food with various benefits. Additionally, the role of food engineering is to develop safe and valuable food and raw materials and to advance food production technology. Technological research continues without pause at the Department of Food Bioscience & Technology to create healthier, fresher, and more beneficial foods.

Food engineering is not simply about making food. It is an academic discipline dedicated to enhancing food quality – producing food that is tastier, healthier, more convenient, and safer. Food engineering encompasses the entire spectrum from food production to processing, storage, distribution, and consumption, with a comprehensive learning focus on the theories and applied technologies related to foods that directly impact our health. As such, food engineering is a cutting-edge science that applies knowledge from chemistry, biology, engineering, biotechnology, genetic engineering, and electronic engineering.

Learn more about department

<https://foodscience.korea.ac.kr>





Division of Environmental Science & Ecological Engineering

Keyword

Ecology, Environmental Science, Ecological Environment, Environmental Planning and Landscape Architecture, Ecological Engineering



Introduction to the department

In society, there is an increasing need for resilience management in the face of future environmental risks such as climate change, the spread of hazardous substances, and ecosystem disturbances. We aim to educate global eco-leaders who have the ability to respond effectively to issues facing the socio-ecological system and to increase its resilience.

The Division of Environmental Science & Ecological Engineering has pioneered an interdisciplinary ecological engineering program based on ecological and environmental sciences. We established undergraduate and graduate programs for environmental science and ecological engineering in 2000 and 2003, respectively, representing the first academic degree courses for ecological engineering in South Korea. In addition, we have been awarded a BK21 grant from the Ministry of Education of Korea every year since 2006. Consequently, we have been able to establish the infrastructure necessary for global research and education programs.

Learn more about division

<https://eco.korea.ac.kr/>





Department of Food and Resource Economics

Keyword

Food and Resource Economics, Human Survival, Coexistence, Economic Analysis, Sustainability



Introduction to the department

Earth Saver! Making an Effort to Save the Earth

Food and resource economics is an academic discipline that addresses essential issues for human survival, such as food, resources, environment, and health, through economic analysis and the development of alternative solutions. This field has unique characteristics that distinguish it from other areas, such as research into food distribution and logistics, food safety and security, natural resources and the environment, management and agribusiness, international trade, and futures trading. Based on these topics, the Department of Food and Resource Economics aims to explore economic systems that benefit the welfare of nations and public well-being.

The Engine of Agricultural Resource Economics - Hope for Coexistence

Food and resource economics uses economic logic and analytical tools such as microeconomics, macroeconomics, and econometrics to address issues related to agriculture, resources, the environment, and health. However, solving these problems requires more than just theories; it demands a global perspective and the desire for coexistence for all. Adopting this perspective has become a crucial virtue for social scientists studying food and resource economics.

Major Courses - From Economics to Agriculture, Resources, the Environment, and Health

Major courses in the Department of Food and Resource Economics cover various fields such as the food and agriculture industries, resources, the environment, and health, with a foundation in economic theory. Topics include analyzing market demand, supply, and economic policies. Additionally, students explore solutions to real-world problems, studying subjects such as food marketing, agricultural commodity price analysis, resource economics, and health economics.

The Future of Food and Resource Economics - Solutions for Sustainable Living

The future of food and resource economics requires a comprehensive approach to integrated problems concerning resources, the environment, and agriculture. By seeking sustainable solutions, this discipline addresses the threats posed to the Earth's future due to environmental issues. It strives to achieve sustainable growth by promoting fundamental changes to economic activity, thus working towards concrete alternatives to ensure a sustainable lifestyle.

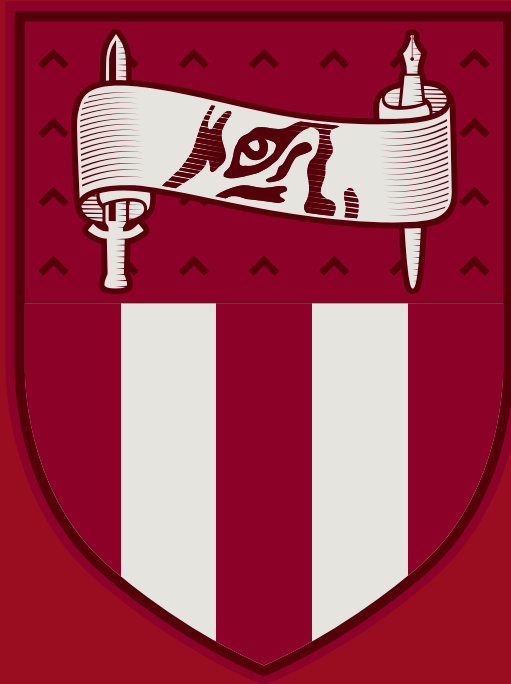


Department of Food and Resource Economics

Learn more about department

<https://frecon.korea.edu/>





College of Political Science and Economics

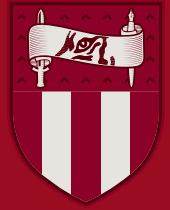
**Department of Political Science
and International Relations**

Department of Economics

Department of Statistics

Department of Public Administration

04



Department of Political Science and International Relations

Keyword

Politics, Democracy, Peace, Political Economy, Human Rights



Introduction to the department

Have you ever felt that politics is too complex or that it involves issues that have nothing to do with you? Do you think diplomacy is something only policymakers and experts should care about? You might think that politics, either domestic or international, is the concern of an elite few. But, in fact, many of our daily activities are political acts, and our ordinary lives are greatly influenced by politics. Individuals live together with others in communities, and all issues related to the operation of those communities fall within the realm of politics. Political Science studies the governance and management of such communities, particularly focusing on the state and the relationship between.

The educational goal of the Department of Political Science and International Relations at Korea University is to produce young students with a sense of public responsibility, empathetic leadership, and interest in the coexistence and prosperity of diverse political communities. Addressing various issues facing modern society, such as political and economic inequality, conflict between generations and genders, and the crisis of democracy, requires collaborative and empathetic leadership. Challenges that threaten humanity, such as war, economic crises, and environmental and climate problems, are beyond the capability of any one country and require international cooperation. More opportunities will be available to talented students equipped with an understanding of the contexts and structures of conflict and competition, expertise in various political systems and cultures, and the communication skills necessary to mediate conflict.

Established in 1946, the Department of Political Science and International Relations at Korea University prides itself on being one of the best programs in the field of political science in the Republic of Korea. In the QS World University Rankings, Korea University's Department of Political Science and International Relations ranked in the top 50 for political science for five consecutive years from 2012 to 2017 and has continued to maintain its top 100 status. Currently, world-class faculty members are working tirelessly to nurture students with both global competitiveness and a sense of public responsibility. We invite you to join Korea University and its Department of Political Science and International Relations on a journey of exploring how to build better political communities where all members peacefully coexist and equally prosper.

Learn more about department

https://politics.korea.edu/kupolitics_en/index.do



Department of Economics

Keyword

Department of Economics, Rational Choice, Analytical Ability, Economics Specialist, Professional Economist



Introduction to the department

The Department of Economics at Korea University boasts over a century of tradition since its foundation, developing alongside the university. We pride ourselves on being the hub of Korean economics research, producing numerous economic specialists who have played vital roles in Korea's modernization during its 40 years as part of Bosung College and 50 years at Korea University.

We are recognized as one of the best economics departments in Korea and have been selected for the BK21 project since 1999. With significant financial support from the government, we have developed into a more research-oriented department focusing on graduate programs. Consisting of internationally renowned faculty members and outstanding students from all over the country, the Department of Economics carries the future of Korea on its shoulders. We are confident that our department can compete with other prestigious economics departments in the world in terms of history, tradition, education and research, and we are stepping up our efforts to truly become a world-class department.

The educational goal of our department is to nurture professional economists equipped with a considerable level of professional knowledge and a well-honed practical sense in order to respond effectively to the rapidly changing economic reality. Students in our department will have the opportunity to study and research the outcomes of various economic choices. Human beings are always confronted with important decisions, and our students examine the most effective use of limited resources and the opportunity cost of each possible decision. In this process, they will derive general laws on economics and predict future phenomena.

In this regard, analytical ability is the most important skill in the study of economics. An economic phenomenon is the result of numerous factors and, at the same time, it is a cause of various other phenomena. Our students thus do not consider a single phenomenon in isolation but rather analyze it in relation to other social factors and develop logical explanations regarding their relationship. For this reason, the contents of classes in our department is not limited to economics; it also includes the analysis of various social and cultural phenomena. Consequently, economics often requires intuition and mathematical thinking. For this reason, economics has been referred to as the "Flower of Social Sciences."

Korean society is often hit hard by financial and economic crises originating from the US and Europe. As the range of factors that adversely affect the economy such as rising oil prices widens, economic depression cycles have tended to become more frequent. In this reality, the use of economics to accurately analyze and predict economic conditions has become more important. Korea has expanded its global economic



Department of Economics

influence by entering FTAs with countries such as the US and those in the EU. Therefore, the demand for economic specialists with high-level analytical and predictive ability is expected to increase.

Based on these expectations on market demands, our department aims to nurture economic specialists equipped with economic analytical ability, rational decision-making skills, and a world-class work ethic. We also aim to cultivate professional economists with the creativity and leadership necessary to contribute to the development of the Korean economy through theoretical and applied scientific analysis.

Learn more about department

http://econ.korea.ac.kr/econ/?page_id=57180&lang=en





Department of Statistics

Keyword

Big Data, AI, Data Science, Programming, Data Analysis



Introduction to the department

What is Statistics?

Statistics is a field of study that explores methods for collecting, organizing, analyzing, and interpreting data. Its primary objective is to extract useful information from data and assess uncertainty. Statistics is grounded in probability theory and probability distributions, focusing on summarizing data characteristics and identifying patterns. It encompasses various disciplines, including data science, probability, and statistical theory, and addresses statistical methods for collecting and analyzing information in fields such as natural sciences, social sciences, business, economics, and agriculture. Statistical inference, a core aspect of statistics, involves rational assessment of whether data from scientific experiments objectively explain causal relationships. Statistics has played a significant role in the advancement of 20th-century science.

Social Role of Statistics

Recently, the field of statistical data science has gained attention as technologies for collecting, processing, and analyzing data to gain insights have become crucial. This encompasses handling, storing, manipulating, and analyzing large datasets, using techniques such as machine learning, artificial intelligence, and data mining to discover patterns and make predictions. With the development of computers enabling the swift processing of vast amounts of data, the utilization of statistical methods has grown across all sectors of society, including basic sciences, industries, medicine, communication, economics, finance, and social sciences. For instance, governments conduct sample surveys to gather information for policymaking, manufacturing industries implement statistical quality control to maintain product quality, and medical advancements rely on the statistical analysis of clinical trial data. From the initial steps of data-based decision-making to the final stages, statistics plays a crucial role, and its importance and application will continue to expand.

About the Department of Statistics at Korea University

Since its establishment in 1963 as the first department of its kind in Korea, the Department of Statistics at Korea University has been at the forefront of training specialized personnel in statistics and data science. Consistently ranked within the top 50–100 in the QS Global World University Rankings from 2016 to the present, the department boasts a faculty of professors and doctoral researchers with expertise across various fields, including applied social sciences, modeling of large and high-dimensional data, data science, mathematical finance, and biostatistics. The faculty consistently produces world-class research outcomes and is dedicated to educating and nurturing outstanding students at the undergraduate and graduate levels.



Department of Statistics

Department Highlights:

- **Diverse Educational Programs:** The Department of Statistics at Korea University offers a range of educational programs, catering to undergraduate, master's, and doctoral levels. These programs equip students with the necessary knowledge and skills in the field of statistics.
- **Experienced Faculty:** The department is home to faculty members with rich experience in statistics and a passion for education and research. Faculty members support students' growth and academic development by sharing their practical experiences.
- **Research Activities:** The department is actively engaged in statistical research. Through various research projects and publication of academic papers, it stays updated on the latest trends in statistics and contributes to the advancement of the field.
- **International Collaboration:** The department fosters international exchanges and collaboration, connecting with statistical research and educational institutions worldwide. International academic conferences, workshops, and collaborations facilitate the establishment and maintenance of a global research network.
- **Practical Training Opportunities:** The department provides various practical training opportunities that connect theory with real-world applications. Students gain hands-on experience in applying theory to practical situations.
- **Industry Collaboration:** The department contributes to solving real-world problems through collaboration with industry. It promotes collaboration in various fields by providing statistical approaches to data analysis, prediction, and decision-making.

Activities and Programs:

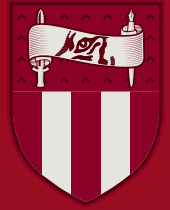
The Department of Statistics at Korea University offers seminars, academic conferences, workshops, and special lectures to support students' academic growth and share the latest trends in statistics. Additionally, it offers projects and internship opportunities in collaboration with industry to help students gain practical experience.

The Department of Statistics at Korea University focuses on education and research in the field of statistics, producing students with broad knowledge and skills who can effectively solve real-world problems in various domains.

Learn more about department

stat.korea.edu





Department of Public Administration

Keyword

Public Administration, Public Policy, Public Interest, Public Value, National Design



Introduction to the department

Korea University established the Department of Public Administration (KUPA) in 1955, the first of its kind in Korea. Since its inception, KUPA has developed alongside the field of public administration in Korea and has produced numerous public administration, political, and legal professionals.

Numerous KUPA alumni have entered government ministries, the National Assembly, and public institutions and taken the lead in promoting public interest and constitutional value for all citizens, while others working in private companies and research institutes have fulfilled their social responsibilities in their respective fields. The number of graduates who go on to law school and dedicate themselves to advocating human rights and realizing social justice as legal professionals has recently increased. The spirit of placing public value and public interest ahead of individual interest is the greatest tradition of KUPA.

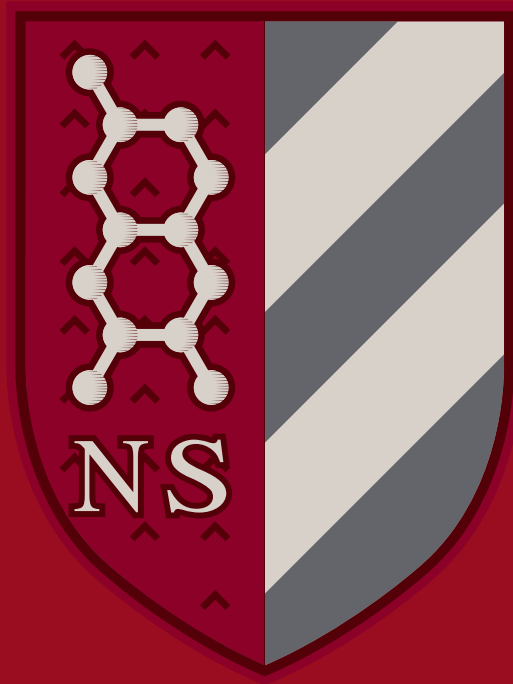
Now, in the face of the post-COVID new normal and the era of artificial intelligence (AI), the outstanding students and faculty members of KUPA are preparing for a new leap forward. Many undergraduates have produced outstanding achievements not only in the field of public administration but also in other areas, and the faculty members have led large-scale national research projects such as Brain Korea 21 PLUS and Social Science Korea, demonstrating excellent research capabilities internally and externally. Meanwhile, many KUPA graduates take time every year to pass on their insights to freshmen and have established a large fund to support a public sector talent development program for undergraduates preparing for the Grade-5 civil servant or law school entrance exams. For undergraduate students, KUPA provides financial support for the GCSE Overseas Study Program (University of Hong Kong) and the USC Sol Price School of Public Policy program. For graduate students, it offers various educational, scholarship, and international programs, such as the Doctoral Dissertation Fellowship, Excellent Enhancement Awards, and the Kim Young Pyoung International Fellowship.

KUPA's top priority is to nurture experts who can respond to future challenges and contribute to setting a vision for the country and designing effective policies and infrastructure for the advancement of the country as a whole. KUPA will encourage and support them as much as possible so that they can develop into leaders who take the lead in solving various social problems.

Learn more about department

<https://kupa.korea.edu/kupaeng/index.do>





College of Science

Department of Mathematics

Department of Physics

Department of Chemistry

Department of Earth and
Environmental Sciences

05



Department of Mathematics

Keyword

Algebra, Geometry, Analysis, Data Science, Artificial Intelligence



Introduction to the department

The Department of Mathematics in the College of Science at Korea University was formed in 1953 when the College of Liberal Arts at Korea University was expanded and reorganized into the College of Liberal Arts and Sciences and recruited new students. In 1954, the Department of Mathematics and Physics was divided into the Department of Mathematics and the Department of Physics, and in 1963, the College of Liberal Arts and Sciences was divided into the College of Liberal Arts and the College of Science.

In the Department of Mathematics, as of 2023, 17 full-time professors are evenly distributed between the different fields of mathematics. We conduct research in the fields of analysis, probability theory, partial differential equations, harmonic analysis, number theory, algebraic geometry, group representation theory, combinatorics, topology, differential geometry, artificial intelligence and machine learning, data and information science, finance and insurance mathematics, mathematical physics, and numerical analysis. Plans to improve the quantity and quality of research and education by inviting outstanding researchers are always being reviewed, and a number of postdoctoral researchers and visiting professors conduct research in the Department of Mathematics every year.

We aim to nurture future-oriented talent who can actively operate within various fields in a rapidly changing era and to develop leading researchers in the field of mathematical science that contribute to human society. To this end, the department pursues diversity in mathematics education by emphasizing an in-depth education on advanced theories in the field of pure mathematics and practice using computers to improve problem-solving skills in various industries. In the 1990s, we initiated pioneering courses such as computer-aided mathematics, finance/insurance mathematics, and cryptography/information mathematics, which were pioneering among the first of their kind to be offered at universities in Korea. We then developed them further into courses on scientific computation in the 2000s. Continuing this tradition of pioneering education, in 2020, we launched a systematic major curriculum related to artificial intelligence, machine learning, and data science. Leading Science at Korea University since 1952

Learn more about department

math.korea.ac.kr





Department of Physics

Keyword

Physics, Basic Science, Natural Science, Technological Innovations



Introduction to the department

Department of Physics (<http://physics.korea.ac.kr>)

Physics is a basic science that attempts to understand the motion and interactions of all matter that exists in space and time. It is fundamental to all scientific approaches encompassing all branches of natural science and applied engineering.

Since its establishment in 1952, the Department of Physics at Korea University has played a key role in advancing the frontier of science in Korea. Our department consists of 26 faculty members, 200 undergraduates, and 110 graduate students. Through research and education, we are training future leaders who will operate at the center of scientific and technological innovations.

Research Areas in the Department of Physics

The faculty members in our department are grouped broadly into five research areas. Our department provides courses covering the following areas through lecture-based classes and experimental laboratories:

- 1) Condensed matter physics studies the properties and applications of a diverse range of materials, including semiconductors, magnetic materials, polymeric conductors, and nanomaterials.
- 2) Atomic, molecular, and optical (AMO) physics develops experimental methods for precision measurements and the manipulation of atoms and related phenomena using high-precision optics.
- 3) Biological and statistical physics studies complex phenomena within biological systems such as cells and tissues, nucleic acids, and neural networks, as well as conducting deep imaging into living tissues and organs.
- 4) High-energy physics investigates the fundamentals of matter including elementary particles, strong interactions within atomic nuclei, and cosmic dark matter.
- 5) Quantum information physics develops novel quantum computing methods and theories directly utilizing the principles of quantum mechanics.

Full-time Faculty List

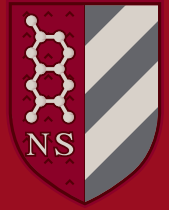
https://physics.korea.edu/phys_en/about/faculty_fulltime.do

Application Materials and Guidelines

A diverse range of financial support is available

Undergraduate admission: Korea University Office of International Affairs (<http://oia.korea.ac.kr/>)

Application information: http://oia.korea.ac.kr/listener.do?layout=dgr_1



Department of Physics

Graduate admission: Korea University Graduate School (<https://graduate2.korea.ac.kr/>)

Application information: <https://graduate2.korea.ac.kr/admission/schedule.html>

KU Scholarship: <https://graduate2.korea.ac.kr/scholarship/scholarships.html>

Check the webpage for other scholarship programs.

The Department of Physics and its faculty also offer financial support via teaching fellowships, the BK21 Four program, NRF research grants, etc. Please contact the Department of Physics and ask about admissions and the availability of financial support: sci002@korea.ac.kr

Learn more about department

https://physics.korea.edu/phys_en/index.do





Department of Chemistry

Keyword

Truth Seeking, Sustainable Energy, Next-generation Semiconductor, Precision Medicine, Green Catalyst



Introduction to the department

The Department of Chemistry at Korea University has been a cradle for globally competitive chemistry talent since 1953. The department's more than 3,900 graduates have played pivotal roles in academia, research institutes, and corporations due to the department's excellent faculty, world-leading research capabilities, and close alumni network. Currently, we focus on exploring the basic principles of chemistry and conducting research to solve various problems in the semiconductor, biochemistry, nanochemistry, energy, and environmental fields, which are the core of future industries, thus providing an optimal environment for the growth of outstanding young talent as future leaders.

Education in the Department of Chemistry at Korea University is based on thorough training in physical chemistry, organic chemistry, inorganic chemistry, analytical chemistry, and biochemistry, which provide the basis for understanding the properties of matter and the core principles of chemical reactions. In addition, the department offers courses in computational chemistry, medicinal chemistry, nanochemistry, materials chemistry, and polymer chemistry, which are applied areas of advanced chemistry. By providing this customized education to meet the interests of individual students, we assist them in effectively designing their own careers.

In terms of research capabilities, the Department of Chemistry at Korea University is unequivocally one of the leading chemistry departments in Korea, ranked among the top 50 in the world. It has become a hub for molecular spectroscopy as host of the Institute for Basic Science (IBS), a key institution for basic research in Korea. It also actively conducts cutting-edge chemical research such as the discovery of sustainable energy based on nanochemistry, the development of next-generation optical and semiconductor materials based on artificial intelligence and advanced polymer technology, the development of precision cancer treatment technologies customized for patients, and the discovery of catalytic reactions essential for eco-friendly chemical processes, all of which contribute not only to strengthening world-class student competencies but also to solving the various problems facing humanity.

Under the banner of "Excellence in Research & Teaching," the Department of Chemistry at Korea University provides a balanced research and education experience that encompasses the pursuit of the ideals of basic science in search of truth as well as the development of chemistry-based technologies to provide solutions to social issues, such as improving the quality of life and ensuring energy and environmental sustainability. In short, the Department of Chemistry at Korea University is a place where students can expect optimal support to build a strong foundation in chemistry and develop into world-class talent with excellent problem-solving skills.



Department of Chemistry

Learn more about department

<http://chem.korea.edu/>





Department of Earth and Environmental Sciences

Keyword

Geology, Geophysics, (Bio)geochemistry, Atmospheric Chemistry, Environmental Sciences



Introduction to the department

Brief History: Founded as the Department of Geology in the College of Science in 1968, the Department of Earth and Environmental Sciences (EES) received its current name in 1994. Since 1999, it has solidified its reputation as a research-oriented department by continuously being selected for all Brain Korea 21 projects, a program for developing human resources in higher education. In July 2020, thanks to donations from our department alumni, Mediheal Earth Environment Hall, the first building to be designed exclusively for the study of earth and environmental science in Korea was completed. Our department, with its top-notch faculty members and state-of-the-art experimental research facilities, has conducted research of great social importance and guided numerous undergraduate and graduate students.

Importance: EES deals with all of the environments that make up the Earth: the geosphere (the surface and internal environment), hydrosphere (the environment composed of water such as rivers, groundwater, and the ocean), atmosphere (the atmospheric environment that covers the entire Earth), cryosphere (the ice-covered environment), and biosphere (the area including humans and living things). We seek to identify all phenomena and causes of change related to these environments and to predict future changes. In addition, EES is a field of science that contributes to economic growth and human welfare by developing various energy and mineral resources that are necessary for human life, monitoring and forecasting various natural disasters that threaten safety, and preserving the Earth's environment. Therefore, as long as the Earth is the home of human life, there are few fields that are not directly or indirectly related to EES.

What Can You Learn? The various environments that make up the Earth are closely connected to each other, influencing each other on various time scales. EES courses are structured to provide a foundation for understanding the Earth's complex system as a unified whole. Students can take a variety of major classes related to geophysics to explore the hidden interior of the Earth, petrology, paleoenvironment, and structural geology to track the shifting ground, minerals and energy resources to discover future energy sources, environmental geology to preserve soil and water, and atmospheric chemistry to maintain a healthy and sustainable Earth.

Why Choose EES? Human society and settlements can experience extreme weather conditions, natural disasters such as earthquakes, serious pollution, and resource scarcity. Under these circumstances, the basic demand for high-quality human resources in EES is very high. It is the right time to choose the Department of EES to comprehend changes in our environment and predict/shape our future.



Department of Earth and Environmental Sciences

Learn more about department

ees.korea.ac.kr





College of Engineering

Department of Chemical and Biological Engineering

Department of Civil, Environmental and Architectural Engineering

Department of Architecture

Department of Mechanical Engineering

Department of Electrical Engineering

Department of Materials Science and Engineering

Department of Industrial Management Engineering

Department of Integrative Energy Engineering

06



Department of Chemical and Biological Engineering

Keyword

Biological Engineering, Energy/Environmental Engineering, Nanoengineering, Information Science/AI, Multidisciplinary Integrated Science



Introduction to the department

1. Department Overview

- The Department of Chemical Engineering was first established in 1962 as the founding member of the College of Engineering. In 2002, we changed our name to the Department of Chemical and Biological Engineering to better reflect the developing trends in academia and industry.
- Currently, we are home to 550 undergraduate and 150 graduate students, as well as 23 full-time faculty members.
- In 2017 we placed 43rd worldwide in the QS World University Rankings, and in 2011 we were ranked 2nd nationally by the BrainKorea 21 program hosted by the Korean government.

2. Is This You? Then Join Us!

- You like figuring out why and how certain things happen in detail.
- You enjoy the design and fabrication of functional devices and playing around with them.

3. A Deeper Look at Chemical and Biological Engineering

- People commonly think that there is no big difference between our department and the chemistry department. However, we are actually quite different. While the Department of Chemistry focuses more on fundamental chemistry in the synthesis of substances, our department attempts to provide a more holistic view by delving into the development, design, operation, and management of chemical, physical, and biological processes for the synthesis of chemical materials, all while considering economic feasibility.
- Naturally, education in our department is inherently multidisciplinary and students tend to gain a broad understanding that spans various fields, which is necessary to grasp the bigger picture. This is why CEOs with a background in chemical and biological engineering are among the most prominent of the graduates from the College of Engineering.
- Petroleum is not only used as an energy source but also serves as a raw material for many everyday items such as plastics and rubber. While chemical engineering originated as a means to study petroleum-based chemical processes, advancements in science and technology have led to the transformation of the field to include other subjects like nanotechnology and biotechnology, promoting the exploration of alternative methods of material production beyond the use of petroleum.

4. The Department of Chemical and Biological Engineering at KU

- Alumni Career Paths: Academia (university presidents, professors, study abroad, etc.), corporations (CEOs, plant managers, researchers, engineers, consultants, international employment, etc.), research institutes



Department of Chemical and Biological Engineering

(government research institutes, large corporation research centers, overseas research institutes, etc.), government officials (Ministry of Science and ICT, etc.).

- During their freshmen and sophomore years, students study fundamental subjects such as mathematics, chemistry, physical chemistry, and organic chemistry. From junior year onwards, they can choose to study more specialized tracks in fields such as processing, materials, or biology.
- Global joint research opportunities and exchange programs with Purdue University in the United States are available.
- Active student council and club activities, along with annual retreats and communal sports events, are regularly held.

5. What You Can Study in Our Department

- Energy/Environment: Research in this area focuses on developing and utilizing sustainable energy sources such as hydrogen and solar energy, as well as novel technologies for handling and mitigating environmental pollutants.
- Information Technology: Information technology in our department is tailored toward achieving the application-specific design and fabrication of semiconductors, displays, and sensors.
- Processes: Process design and operation are a core component of our department. This is interdisciplinary by nature because it integrates various fields within chemical and biological engineering.
- Nanotechnology: This field involves manipulating matter at the atomic level to measure and control information. Active research is ongoing in areas such as semiconductors, displays, medicine, and advanced materials.
- Biology: This field includes bioprocess technologies that utilize microorganisms and enzymes for the mass production of materials or applications in disease diagnosis and treatment.
- Convergence: Operating at the interface of nanotechnology (NT), biotechnology (BT), information technology (IT), and energy technology (ET) can lead to innovative ideas that can transform society.

Learn more about department

<https://cbe.korea.ac.kr>





Department of Civil, Environmental and Architectural Engineering

Keyword

Civil Engineering, Architectural Engineering, Sustainability, Smart Construction



Introduction to the department

The School of Civil, Environmental and Architectural Engineering (ACE) is an academic division that investigates essential societal infrastructure for the sustainable pursuit of human life. It consists of several fields, including (1) the built environment, which involves the planning, design, construction, and management of fundamental facilities and infrastructure, (2) smart construction and mobility, which is responsible for creating safe and efficient construction environments and transportation/logistics systems, (3) water and ecosystems, which addresses water resource challenges and responds to environmental contamination issues, and (4) the energy system, which focuses on engineering issues associated with the transition to a sustainable future powered by renewable energy systems.

The vision of ACE involves creating sustainable future-oriented infrastructure through smart construction. This includes constructing skyscrapers using the aforementioned fields, promoting the activation of drone taxis and autonomous vehicles, creating expansive underwater or underground spaces, designing reduced-carbon cities, and securing technologies that efficiently manage water resources while consuming renewable energy sources.

ACE encompasses both architectural engineering and civil engineering. As such, it offers various majors that blend the two, including structural engineering, architectural engineering, construction and materials engineering, water resource engineering, geotechnical engineering, environmental engineering, transportation engineering, and energy engineering. These majors cater to students with a preference for mathematical exploration, a sense of design and creativity, imaginative thinking, and an interest in environmental issues. ACE supports students with these various capabilities in terms of their growth and development.

After graduating from ACE, there are various career paths to choose from. Graduates can become professors or researchers in academic, educational, and research institutions. They can also pursue careers as engineers in construction and engineering companies, as well as in public agencies. Additionally, opportunities exist for government employment through national exams. With these diverse options, graduates can shape their futures in fields that align with their passions and interests, contributing to various areas and making a difference.

Learn more about department

<https://ace.korea.ac.kr/eng>





Department of Architecture

Keyword

Architecture, Architecture Course, Architect, Architecture Career



Introduction to the department

Introduction: Architecture is a discipline that deals with spaces and the environments surrounding us. It is a discipline that involves not only the design of buildings but also the organization of relationships and the shaping of architectural culture so that people can enjoy life in harmony with nature, society, and culture with positive interactions. In pursuing the establishment of positive relationships between people and the environment, architecture is a field that involves the design and research of the environments to ensure sustainable development and progression.

Course Structure

The Department of Architecture offers a 5-year accredited program based on international standards. The courses that are available in this program are as follows:

Architectural Design: Architectural design is based on a design studio course. You can learn how to design architecture and conduct hands-on research on buildings and environments.

Urban Design and Planning: Urban design and planning courses provide a basic understanding of the urban environment via research and design.

History and Theory: In history and theory courses, you can learn about the overall history of Western and Eastern architecture and the theoretical basis of architecture and environments.

Building Systems and the Environment: Building systems and the environment courses focus on the engineering component of architecture, particularly how a building interacts with the outside environment to ensure a sufficient quality of life while respecting the environment.

Structure: In structure courses, you can learn how a building stands and how to design safe and sustainable building structures.

Careers after Graduation

The education program is accredited, meaning that students can become licensed architects, leading to a

Learn more about department

<https://archi.korea.ac.kr/arch/index.do>





Department of Mechanical Engineering

Keyword

Introduction to Mechanical Engineering / What is Mechanical Engineering / Career after Graduation The Past and Present of the School of Mechanical Engineering / Introduction to the Department of Electrical Engineering / Major and Courses / Curriculum /



Introduction to the department

Established in 1964, Korea University's School of Mechanical Engineering currently consists of 29 faculty members, 60 international students, 1,010 undergraduate students, and 300 graduate students.

To date, it has produced more than 5,900 undergraduate and 2,050 graduate graduates, who have played a pivotal role in industry and research institutes in various fields both domestically and internationally. In addition, many graduates have become patent attorneys and public officials, taken technical exams, entered public enterprises, and/or moved on to graduate school and become actively engaged in research as researchers or university professors.

Mechanical engineering is the foundation of all industries and an essential academic field for high-tech industries. Plants, robots, automated production facilities, construction machines, and aircraft that use various resources to convert one type of energy into another are impossible without the help of an unknown spacecraft. Our department is striving not only to deliver a strong basic education so that graduates can fully show their skills in various fields but also to provide various experiences so that they can adapt well to new fields in the future.

As mechanical engineering develops, there are many new discoveries to be made. As long as the human imagination is valued, mechanical engineering will continuously develop using this imagination as a driving force. If you are a student who wants to major in mechanical engineering, please constantly imagine the future and strive to discover new things.

Learn more about department

me.korea.edu





Department of Electrical Engineering

Keyword

Introduction to the Department of Electrical Engineering / Major and Courses / Curriculum / Career Options after Graduation



Introduction to the department

Introduction to the Department of Electrical Engineering

Electrical engineering is a discipline that turns humanity's dreams and imagination into reality. In the past, Prometheus sought fire to advance human civilization, while modern humans strive for more advanced electrical and electronic technologies.

As a result, we no longer light up the darkness with only fire but instead employ LED lights, and we can connect to others anywhere in the world with the smartphone in our pocket. Improvements in semiconductor performance have given rise to innovations such as ChatGPT. In this way, electrical engineering makes the impossible possible.

2. Major and Courses

- 1) Semiconductor and Nanosystems (Nanoelectronic Engineering, Semiconductor Processing)- Study semiconductors and nanotechnology for the miniaturization and diversification of information and communication devices.
- 2) Integrated Circuits (Analog Integrated Circuits, Digital Integrated Circuits) - Design circuits for smartphones, computers, and home appliances using semiconductors.
- 3) Control, Robotics, and Systems (Intelligent Systems, General Robotics)- Study technologies that enable the precise movement of robots through control, the automation of processes through machine control, and judgment through artificial intelligence.
- 4) Electrical Energy (Power System Operation and Control, Electric Power Economics)- Study ways to efficiently operate power systems and connect them to renewable energy.
- 5) Computer Engineering (Computer Networks, Internet Programming)- Study faster and more efficient computer systems and techniques for utilizing artificial intelligence and networks.
- 6) Signal Processing and Multimedia (Digital Image Processing, Multimedia Signal Processing) - Study improved signal processing and multimedia that enable users to experience new things faster and with higher quality.
- 7) Communication and Networks (Wireless Networks, Communication Signal Processing)- Study faster and more reliable internet and communication environments such as 5G and IoT.

3. Curriculum

In the first and second years, students learn basic subjects to understand electrical and electronic concepts. In the third and fourth years, students focus on courses related to their chosen major. In various laboratory and practical classes, they expand their understanding of their major.



Department of Electrical Engineering

4. Career Options after Graduation

After graduation, graduates of our department can work in a variety of industries, including semiconductors, computers, engineering, electronic devices, automobiles, telecommunications, power and energy management, aviation, and shipbuilding.

Electrical engineering is also an important component of world-class companies, as listed below:

Semiconductors: NVIDIA, TSMC, Samsung, ASML, AMD, and Intel

Electric Vehicles: Tesla, Toyota, Hyundai, and General Motors

Engineering: Siemens and ABB

Utility: Nextera Energy and Duke Energy.

Learn more about department

<https://ee.korea.ac.kr/eng/main/main.html>





Department of Materials Science and Engineering

Keyword

Introduction to the Department of Electrical Engineering
Major and Courses / Curriculum / Career Options after Graduation



Introduction to the department

1. Introduction

The Department of Materials Science and Engineering at Korea University originated from the establishment of the Department of Metallurgical Engineering in 1966 and the Department of Ceramic Engineering in 1969, which were restructured into the Department of Materials Science and Engineering in 2005.

2. What is Advanced Materials Engineering?

Advanced Materials Engineering: Pioneering New Horizons

Advanced materials engineering focuses on the creation of innovative materials for the development of new possibilities. This discipline investigates the convergence and enhancement of a diverse range of materials, aiming to forge novel and improved substances.

Embracing Opportunities for the Bold

In advanced materials engineering, an unwavering faith in the achievement of the improbable and the resilience to act in the face of initial failure form the bedrock of groundbreaking research. If your passion involves ceaselessly exploring novel ideas, we extend an invitation to join the challenges presented by the Department of Materials Science and Engineering at Korea University.

Where Mathematics, Physics, Chemistry, and Biology Combine

Advanced materials engineering requires a multidisciplinary approach beyond its core focus. To unearth new materials and effectively employ them in real-world scenarios in fields such as mathematics, physics, chemistry, and biology is vital.

3. Individual Fields

Metallurgical Engineering: An exploration of theories and technologies dedicated to the production, refining, and processing of metals. This field aims to improve the understanding and application of both ferrous and non-ferrous metal materials.

Semiconductor Engineering: A specialized branch of engineering centered around the fabrication of semiconductor materials and devices. This field relentlessly pursues technological advancements in semiconductors, aiming to introduce novel functions and elevate overall performance.

Polymer Engineering: Polymer engineering has been at the forefront of industrial development since the mid-20th century. This research field focuses on the profound understanding and advancement of polymers, leading to progress across a variety of industries.

Ceramic Engineering: This is an interdisciplinary field focused on the development and application of non-metallic inorganic materials. Including elements of physics, chemistry, electricity, and electronics, ceramic



Department of Materials Science and Engineering

Introduction to the department

engineering stands at the forefront of cutting-edge technological evolution.

4. The Future of Advanced Materials Engineering

The number of materials yet to be discovered by scientists is remarkable. Even among newly discovered materials, many remain unused due to the lack of technology to harness them. The possibilities for new material engineering are boundless, and newly discovered materials will inspire new scientific and technological breakthroughs, enriching and enhancing global prosperity.

5. Careers after Graduation

Academia and Business: University professor in related fields, corporate engineers, etc.

Research: National and corporate researcher

Government and Public Institutions: Ministry of Education, Science and Technology, Ministry of Knowledge Economy, patent attorneys, etc.

Learn more about department

https://mse.korea.edu/mse_en/index.do





Department of Industrial Management Engineering

Keyword

System, Optimization, Production, Data, Human-centered



Introduction to the department

Industrial engineering is a discipline that focuses on the optimal design, operation, and systematic management of systems. In this context, systems include not only traditional human and production systems but also transportation and logistics, finance, energy grids, healthcare, ecology, smart manufacturing, information systems, and artificial intelligence. The primary goal of industrial engineering is to improve the efficiency of systems within individual industries. It combines concepts and practices from a diverse range of fields. Including engineering, mathematics, data analytics, and business. Industrial engineers are capable of creating quantitative models and using increasingly rich and diverse sources of data to improve the design and operation of complex systems in industry and society.

Industrial engineering coursework includes optimization theory, which is used to make the optimal decisions for the design and control of complex systems, the probability and statistics necessary for system and data analysis, and computer programming-related subjects. Additional courses cover logistics management for the reliable supply and distribution of products, production management for the analysis and improvement of manufacturing systems, the analysis and design of information systems, and software development methodologies. Furthermore, the human factors engineering course aims to ensure the convenient usage of machines and computers, while the quality management course pursues the enhancement of product quality and customer satisfaction. The industrial engineering curriculum has thus been designed to provide a diverse variety of opportunities across various fields, providing students with the opportunity to pursue whatever their area of interest might be.

Learn more about department

https://ie.korea.edu/ie_en/index.do





Department of Integrative Energy Engineering

Keyword

Energy Engineering, Photoelectric Energy, Bio Energy, Energy Policy, Convergence Technology



Introduction to the department

1. Introduction

This department aims to nurture talented individuals who can present differentiated convergence energy solutions for sustainable living. Among the UN's 17 Sustainable Development Goals (SDGs) that the world should achieve by 2030, energy-related goals include providing clean, affordable energy, addressing climate change, establishing sustainable cities and communities, and promoting industry, infrastructure, and innovation.

Engineering education focusing on sustainability and social problem solving and hyper-convergence education that can understand everything from materials to systems and policies are needed to successfully complete these sustainable development tasks. Accordingly, the Department of Integrative Energy Engineering was established with the KU-KIST Graduate School of Converging Science and Technology and the Graduate School of Energy and Environment (Green School), which are leading domestic convergence research organizations, to foster talented, globally competitive students for the energy engineering.

2. Sustainable Future Energy Solutions: NT-IT-BT-P-ET Convergence Technology

To ensure the welfare of mankind and move toward a sustainable future, we must pioneer a way to meet the increasing demand for energy while coexisting with nature. To this end, the Department of Integrative Energy Engineering focuses on energy technology (ET), which combines nanotechnology (NT), information technology (IT), biotechnology (BT), and policy (P) for efficient and sustainable energy supply and use. Integrative energy engineering technology can be subdivided into photoelectric energy engineering, electrochemical energy engineering, and bioenergy engineering. Students learn how to promote the coexistence of convergence technology and human society by studying human-centered, sympathetic energy policies.

3. Pioneers of the Future for the Sustainable Life of Mankind

- (1) Let's become Avengers who develop new and renewable energy sources to replace fossil fuels and prevent global climate change.
- (2) Let's create a new generation of talented individuals with enhanced thinking abilities that are supported by ultra-low-power and ultra-high-speed devices.
- (3) Let's produce a world of autonomous mobility where vehicles, including cars and drones, do not emit fine dust.
- (4) Let's protect fish and our children from microplastic pollution by using biodegradable neoplastic materials.



Department of Integrative Energy Engineering

Learn more about department

<https://ienergy.korea.ac.kr>





College of Medicine

Department of Medicine

07



Department of Medicine

Keyword

Expertise, Innovation, Ethics



Introduction to the department

The College of Medicine at Korea University has been charting a path forward to fulfill the fundamental mission of medical school education, which is based on the mantra of respect for life and the love for people. The College of Medicine was established to answer the challenge to empower the training of female doctors because Korean women were deprived of the benefits of Western medicine due to traditional Confucianism. The College of Medicine serves as a bastion for training dedicated doctors and represents the best domestic medical school institution for empowering scientists to adeptly lead the future of medicine.

The mission of the College of Medicine is to empower doctors to safeguard the dignity of life and health with uncompromised ethics, produce experts who strive to deliver creative treatment and research, and train leaders who contribute to health care and social development with a sense of global citizenship based on Korea University's founding principles of liberty, justice, and truth.

The College of Medicine has achieved various research achievements within the annals of medical history, such as discovering and developing the world's first vaccine against the bacteria responsible for hemorrhagic fever with renal syndrome and opening Korea's first-ever forensic research institute. In addition, the College of Medicine has established itself as a research-oriented medical school, with Anam and Guro Hospitals designated as research-oriented hospitals, and has been enlisted as a member of both the BK21 Plus project and a precision medical service group for the national strategic project.

The Korea University College of Medicine has set a global standard for research and education that realizes the aspirations of the public for a disease-free world and serves as a hub for the development of genuine convergence-type creative talent that can lead the future of global medicine

Learn more about department

<https://medicine.korea.ac.kr/en/about/greeting.do>





College of Education

Department of Education

Department of Physical Education

Department of Home Economics Education

Department of Mathematics Education

Department of Korean Language Education

Department of English Language Education

Department of History Education

08



Department of Education

Keyword



Introduction to the department

The Department of Education at Korea University's College of Education started was originally launched as the Department of Educational Psychology within the College of Liberal Arts' Department of Literature in the College of Liberal Arts in 1959. It became a separate entity from the Department of Psychology in 1962, and it was established as a part of the College of Education in 1972. Since then, over 2,000 students have graduated and contributed to the nation's strength in the an era where talents talented individuals have become the backbone of the country.

In general, education departments are part of colleges of education and focus on secondary education, While it's it is common to associate Departments of Education education departments within Colleges of Eeducation colleges with middle and high school students education, the field of education encompasses covers a broader scope. Education covers not only these levels but also, including higher education, special education for students with disabilities, corporate and industrial education, and even extends to lifelong education.

Upon entering the Department of Education, you will embark on a journey that delves into various aspects of education. From pondering the fundamental question of what education is, to contemplating how to live a fulfilling life as a human being, the curriculum spans a wide range of topics. You'll You will explore courses, such as Introduction to Education, Philosophy of Education, Korean Educational History, World Educational History, Theories of Educational Thinkers, Introduction to Youth Education, Introduction to Elderly Education, Introduction to Women's Education, Introduction to Special Education, Theory of Teaching, Educational Psychology, Teacher Learning Theories, Educational Technology, Educational Curriculum, Educational Assessment, Human Development and Learning, Learning Motivation, School Counseling and Guidance, Sociology of Education, Educational Administration, Educational Economics, Political Theory of Education, Understanding Educational Policies, Higher Education of World, International Education Theory, Comparative and International Education, Introduction to Lifelong Education, Career Design, Lifelong Education Management, Corporate Education Theory, Human Resource Development Theory, and Citizenship Education Theory, Vocational and Ethics, and so on.

While studying in the department, you can take a double major within the College of Education or even in other colleges. You can also engage in interdisciplinary studies to broaden your perspectives beyond education or focus on advanced studies to deepen your understanding of educational concepts.

Upon After graduation from the Department of Education, if you are qualified for Korean teacher certification in secondary education, you will be awarded a Level 2 teaching certificate in education. Also, you'll have vVarious career paths ahead then await you. You could become an education specialist dedicated to researching and improving educational issues systems, an education manager involved in planning, marketing, implementing,



Department of Education

and evaluating education at different levels, an education counselor specialized in resolving problems and healing wounded hearts through improved human relationships, or a lifelong education practitioner. You could also become a teacher applying educational knowledge and skills to classroom settings, a researcher interested in resolving diverse issues in primary, middle, and high school education, a human resource development specialist aiming to enhance education within corporate settings, or an advocate for international education issues, focusing on bridging theory and practice for better educational outcomes. To all who are interested in utilizing educational expertise and skills or addressing educational challenges, the Department of Education welcomes you.

Learn more about academic societies and clubs

https://edu.korea.edu/edu_en/index.do





Department of Physical Education

Keyword

Physical Education, Sport, Physical Activity



Introduction to the department

1) Introduction to the Department

Unleashing the Latent Value of Physical Activity.

Physical education can be defined as a form of education that aims to promote deliberate and intentional bodily activities as a medium or tool to realize human potential, with the aim to mold a complete individual physically, mentally, and socially. It also extends to the exploration of human movement through science and technology. The Department of Physical Education has the fundamental purpose of producing aspiring educators who can scientifically guide students through the theories and practical aspects of physical education, enhancing their expertise and preparing them to teach education through bodily movement. To achieve this objective, the Department of Physical Education offers a curriculum encompassing theory courses such as Physical Education Pedagogy, Sports Management, Exercise Physiology, Research and Instructional Methods for Physical Education Curriculum, Leisure and Recreation Education, Sports Nutrition, Sports Psychology, and Biomechanics, which contribute to understanding the essence of physical education. Additionally, practical courses including Training Methodology, Introduction to Sports Medicine, and various sports practicals are provided to teach instructional techniques for physical education and the diverse range of sports activities required in real-world contexts.

2) Faculty and Major Course Introductions

Understand, Experience, and Manage Sports!

Sports Pedagogy Professors: Yu Tae-ho (Qualitative Research), Jung Joo-hyug (Quantitative Research)
To teach physical activities, sports pedagogy is required. This discipline involves researching methods for understanding and applying physical education.

Sports Management

Professor: Kang Hyun-min To commercialize sport, sports management and marketing is required. This subject presents theories of sports deeply embedded in everyday life and their application in society.

Sport Physiology

Professor: Yoon Sung-jin The study of the effects of exercise on the body This subject analyzes responses related to circulation, respiration, and other bodily systems in sports activities.

Leisure and Recreation



Department of Physical Education

Professor: Kim May Can we become healthier and happier? This subject focuses on various leisure and recreational activities for improving personal health, the quality of life, and happiness.

Exercise Biochemistry

Professor: Park Jong-hoon What should be consumed for peak performance? The importance of sports nutrition This subject focuses on optimal dietary strategies for enhancing athletes' conditioning.

Sports Psychology

Professor: Cheon Seung-hyeon The psychology of athletes. This subject focuses on psychological facts and principles in sports, offering theoretical and psychological techniques to ensure proficient sports performance.

Biomechanics

Professor: Kim Dae-kyoo How is force utilized? This subject presents the principles of biomechanics and assists in applying these principles effectively in practical settings.

Learn more about department

<https://phyedu.korea.ac.kr/phyedu/index.do>





Department of Home Economics Education

Keyword

Home Economics Education, Child and Family Studies, Clothing and Textiles, Food and Nutrition, Family Resource Management & Consumer Studies, Housing Studies



Introduction to the department

The Department of Home Economics Education at Korea University, which was established in 1971 as the Department of Home Economics in the College of Science and Engineering, has trained secondary school teachers and social leaders in human ecology for more than 50 years since 1972. The Department of Home Economics Education aims to scientifically approach everyday problems and improve the quality of family life in order to train secondary school teachers and experts in the field of human ecology through professional knowledge education and research into educational methods. In particular, the importance of home economics education is becoming more prominent because it represents a means to address modern social issues such as low birth rates, aging, the emergence of a multicultural society, and sustainability by dealing with social problems in a preventive way.

The Department of Home Economics Education consists of six fields, including home economics education, child and family studies, clothing and textiles, food and nutrition, family resource management and consumer studies, and housing studies. Home economics education deals with educational theory, textbook research, instructional methods, and logical writing to understand the theories and philosophies of home economics education and thus develop the skills necessary to teach home economics in secondary schools. Child and family studies focuses on understanding the physical and psychological development of humans in order to design and establish the optimal home environment and includes subjects related to the development of children, adolescents, adults, and the elderly. Clothing and textiles focuses on understanding clothing production, including design and construction, distribution, retailing, and consumption, while also seeking to strengthen knowledge of the fashion industry. Food and nutrition promotes an understanding of the chemical components and nutritional functions of food and studies dietary habits and educational methods through subjects related to food and nutrition. Home resources management and consumer studies aims to use family resources, understand consumer roles, and strengthen skills to ensure a healthy family life. Housing studies provides practical knowledge of the theories and principles associated with the home environment, efficient furniture arrangement, etc.

The Department of Home Economics Education also provides additional educational options via an interdisciplinary program for students who are interested in fashion design and merchandising and multicultural Korean education so that they can become professionals in related fields.

Graduates work as teachers and education specialists in secondary schools, as well as experts in various fields of human ecology. Specific occupations include family welfare workers, healthy family supporters, multicultural family counselors, childcare teachers, child and youth counselors, consumer counselors, food and nutrition experts, dietary instructors, fashion designers, and fashion merchandisers. Students who want to gain more in-depth knowledge of human ecology can apply to graduate school in the Department of



Department of Home Economics Education

Human Ecology. Graduate students can pursue master's and doctoral degrees specializing in one of the following areas: child studies, fashion design and merchandising, food and nutrition, consumer studies, and home economics education. Graduate students can also pursue an additional degree in the Interdisciplinary Program in Sustainable Living System.

The Department of Home Education hosts educational trainees and overseas exchange programs through the College of Education. In addition, the high number of English-mediated lectures provides a useful educational opportunity for students from various cultural backgrounds.

Learn more about department

https://homedu.korea.edu/homedu_en/index.do





Department of Mathematics Education

Keyword

Subject Specialization, Creative Convergence, Field Connection, Communication Collaboration, Future Innovation.



Introduction to the department

The Department of Mathematics Education at Korea University was established in 1977 and has seen the graduation of more than 1,600 students. Students have gone on to pursue careers in teaching and education, graduate school, computer-related fields, finance and general companies, while the department has produced more than 25 professors of mathematics and mathematics education. The Department of Mathematics Education aims to cultivate excellent secondary school teachers, education professionals, and advanced researchers, and the department's educational goals are to cultivate the personalities and qualities of educators and to foster human resources who can prepare for and lead the future. To this end, the department focuses on five core competencies: subject specialization, creative convergence, field connection, communication collaboration, and future innovation.

The curriculum in the Department of Mathematics Education consists of liberal arts, mathematics, mathematics education, and education, and can be further expanded into various minors, majors, or double majors. Mathematics education is a discipline that combines the pure discipline of mathematics with the discipline of education. Students study all areas of modern mathematics, including analysis, geometry, algebra, topology, and applied mathematics, as well as the theory and practice of mathematics education, which is necessary for education professionals. In mathematics education, we study the history and philosophy of mathematics to understand the background of mathematics, mathematics learning and psychology to understand how we learn mathematics, mathematics teaching and teacher education to learn how to teach mathematics well, curriculum and assessment to understand mathematics content and processes, and technology as a learning tool.

If you are the kind of person who can look beyond the discipline of math even in the Department of Mathematics Education and see your path as an extension of other fields that are related to math, then we think you will be a great fit. Of course, if you have a love of math at your core, you will be even more intrigued.

Learn more about department

<https://mathedu.korea.ac.kr/mathedu/index.do>





Department of Korean Language Education

Keyword

Korean Language Education, Literature Education, Grammar Education, Literacy Education, Korean Language Teacher



Introduction to the department

The Department of Korean Language Education aims to produce talented teachers who will lead the information- and knowledge-based society of the 21st century and to train progressive experts who will contribute to the development of creative culture.

The majors in the department are largely divided into three fields: Korean linguistics, literature, and Korean language education. Students will learn from all three major areas.

In Korean linguistics courses, you will understand the linguistic characteristics and historical changes in the Korean language and develop the ability to properly teach Korean grammar.

Literature is a field that helps you to understand life and the world through various literary works and to improve your discernment and insight. Along with literary theory and the interpretation of various texts, you will study how to teach students to enjoy and love literature.

Korean language education explores the nature and content of Korean language subjects and how to teach the Korean language effectively. In the courses in this field, you will learn about the Korean language education system and teaching methods that can be specifically utilized in schools.

After graduating from the Department of Korean Language Education, students become experts in Korean language education, become teachers, or play an active role as outstanding professionals capable of creative language communication in cultural industries such as media, advertisement, and literature. They can also work as a professional who systematically studies Korean language and literature and theoretically seeks Korean language education.

Learn more about department

https://koredu.korea.edu/koredu_eng/index.do





Department of English Language Education

Keyword

English Teachers, English Educational Professionals, English As a Foreign Language Teaching Pedagogy, English Linguistics, Anglo-American Literature & Culture



Introduction to the department

The Department of English Language Education of in the Korea University College of Education, established in 1981, aims to foster competent English teachers and experts in English education who possess both the necessary personal qualities as educators and the requisite knowledge of pedagogical theories and practical English skills.

The department places emphasis on cultivating proficient English communication skills, which are essential for capable English teachers, and provides education that focuses on practical pedagogical techniques for enhancing efficient classroom implementation. To achieve this, a variety of subjects are offered, including English proficiency courses taught by native-English-speaking instructors, as well as various courses in English linguistics, British and American literature, and English as a foreign language pedagogy. All English proficiency courses are taught by native-English-speaking instructors. In order to provide systematic support for preservice English teachers in Korea, faculty members specializing in English linguistics, British and American literature, and second language acquisition and education contribute to the majority of subjects, with over 90% of the courses being conducted in English. Through these learning experiences, students acquire the knowledge and skills to understand English from an academic perspective and to employ various teaching methodologies effectively.

Accordingly, students in the Department of English Language Education engage in research and development of the most efficient and systematic systems for English as a second language education systems, drawing upon a range of theories and practical experiences related to the English language. Furthermore, based on their fluent abilities in listening, speaking, reading, and writing in English, students not only gain a linguistic understanding of the structure of English but also study the finest examples of English usage and British/American culture through respective carefully chosen literature/literary works. Additionally, through the study of English pedagogical theories and practices, as well as the a hands-on teaching practicum at local schools, they students acquire both theoretical and practical teaching abilities. The Department of English language Language Education not only aims to foster secondary school English teachers who possess the expected educational values demanded expected by the nation and local communities, and to satisfy the diverse educational demands that have emerged in the era of globalization, but also seeks to aid the development and dissemination of educational theories that contribute to the field of education in general. Moreover, the department cultivates educational professionals who can contribute to a variety of fields, including media, management, commerce, and foreign affairs, in addition to the fields of multiculturalism and international relations. Korea University's Department of English Language Education has developed into a leading English education program in Korea, with the goal of becoming a department of global influence in the near future."



Department of English Language Education

Learn more about department

<https://eled.korea.ac.kr/eled/index.do>





Department of History Education

Keyword

History Education, Korean History, Asian History, Western History, History Education Experts



Introduction to the department

About the Department of History Education

The Department of History Education, as its name suggests, is a department that explores what historical knowledge to teach and how. While the Department of History discovers and produces a variety of new historical knowledge, the Department of History Education seeks ways for non-majors to effectively understand this historical knowledge and apply it appropriately to their lives. In this regard, the Department of History Education aims to, in a narrow sense, develop history teachers for domestic middle and high schools while, in a broader sense, it seeks to cultivate talented individuals to provide a comprehensive history education for the general public.

Established in 1983 with the approval of the Ministry of Education, the Department of History Education at Korea University has been proud to be a leader in Korean history education since it first accepted freshmen in 1984. Accordingly, we are promoting the theoretical knowledge necessary to produce history education experts based on the latest historical research results in fields such as Korean history, Asian history, Western history, and theory on history education. In addition to regular classes, we conduct regular field trips to historical sites and offer on-the-job training in middle and high school history education. Furthermore, with the emergence of the 21st-century digital society, we are exploring how to appropriately utilize history education using multimedia and AI. Through this, we are doing our best to help students become the practical history education experts required by modern society.

Learning and Studying

Students learn four subjects: Korean history, Asian history, Western history, and history education.

Korean History is an in-depth study of Korean history learned in middle and high school, from ancient to contemporary times, while looking at the latest trends, debates, and new perspectives in academia. Regular field trips held twice a year reinforce this learning.

Asian History studies the complex and diverse components of East Asian history beyond Korean history along two axes: Chinese and Japanese history. As our two closest neighbors that currently have a great impact on Korean society, this study is meaningful in reality and practice.

Western History focuses on European history from ancient to contemporary times and on post-Columbian American history. Western history, which has had a profound influence on the formation of modern society, is approached from a critical point of view from the perspective of Korean society in the 21st century.

History Education explores the nature of various forms of historical knowledge and how to effectively communicate it to students and the public. This requires a foundation in pedagogy, philosophy, and social theory.



Department of History Education

The Future of History Education

In the current situation where the status of Korean culture internationally is growing, public interest in historical knowledge and historical research is growing. This goes beyond Korean history, which has already become a subject of popular culture, and demands a redefinition of Korean history by looking at world history from the contemporary perspective of Korean society. Given this shift, the Department of History Education at Korea University is striving to offer various opportunities and foundational knowledge so that students can develop into world-class history education experts.

Learn more about department

https://hisedu.korea.edu/hisedu_en/index.do





College of Nursing

Department of Nursing

09



Department of Nursing

Keyword

Prestigious private university, eminent leaders, innovative leaders, contributive leaders



Introduction to the department

Korea University is the country's most prestigious private university, positioned as a center of learning and character education for pioneering advances into the new century. The Korea University College of Nursing (KUCON) has produced 3,927 graduates as of 2023.

Established in 1942, KUCON offers an excellent curriculum that integrates diverse and in-depth clinical experience with essential research. KUCON's excellent faculty is also a driving force that equips our students with the highest standards of professionalism in a rapidly changing society and modern environment.

The vision of KUCON is encapsulated by three slogans: "Eminent KUCON", "Innovative KUCON", and "Contributive KUCON".

The KUCON offers an undergraduate program (BSN), a general graduate program (Master's and doctorate), and a graduate program for nursing education. The undergraduate program includes adult nursing, pediatric nursing, maternal nursing, mental health nursing, community health nursing, nursing administration, fundamental nursing, gerontological nursing, and basic nursing.

The graduate programs offer two tracks: nursing science (Master's and Ph.D. courses) and advanced nurse practitioners (clinical nursing and gerontological nursing)

Korea University Nursing Research Institute plays a key role in exploring and developing nursing strategies for the prevention and management of chronic disease and health promotion

Learn more about department

https://nursingeng.korea.ac.kr/nursing_en/index.do





College of Health Science

School of Biomedical Engineering

School of Biosystems and Biomedical Sciences

School of Health and Environmental Science

School of Health Policy and Management

10



School of Biomedical Engineering

Keyword

Biomaterials, Medical Imaging, Biomechanics, Biomedical Devices, Medical Physics



Introduction to the department

The term "biomedical engineering" may cause confusion for some, who may wonder if it relates to medicine or engineering. It might even sound like an emerging field of study. However, its origin dates back to ancient Egypt, where a wooden prosthetic finger was discovered. In more recent times, everyday inventions such as thermometers and stethoscopes serve as excellent examples of biomedical engineering. Even the creation of extensive data systems in hospitals for patient information, including names and medical histories, also falls under the umbrella of biomedical engineering.

Countless medical devices that we commonly encounter, such as endoscopes, X-rays, MRIs, and CT scans, are all outcomes of biomedical engineering. The development of robotic surgical devices utilized in medical procedures also falls within the realm of this field, which also involves the creation of diagnostic systems that accurately evaluate a patient's condition after treatment.

In essence, biomedical engineering is a field that explores various forms of knowledge and technologies aimed at diagnosing and treating illnesses while striving to improve the overall quality of life. To achieve this, the School of Biomedical Engineering at Korea University begins by teaching foundation sciences such as mathematics, physics, biology, and chemistry. These principles are then applied and integrated with mechanical engineering, electrical and electronic engineering, and chemical engineering to address medical challenges. In other words, biomedical engineering goes beyond just acquiring diverse knowledge; it encompasses the entire process of applying this knowledge. Describing it as the epitome of an interdisciplinary field that directly learns and applies this process would not be an exaggeration. The School of Biomedical Engineering aspires to be a globally renowned program dedicated to nurturing interdisciplinary talent.

Learn more about school

https://bmeng.korea.edu/bmeng_en/index.do





School of Biosystems and Biomedical Sciences

Keyword

Biosystems, Biomedical Sciences, Health Science, Integrated Biomedical and Life Science, Digital Health Science



Introduction to the department

Throughout our history, humanity has constantly pursued the desire for a healthy and happy life. The field of biosystems and biomedical sciences, rooted in understanding the fundamental principles underlying a sustainable life, applies this knowledge to beneficially impact human life. It explores and provides scientifically sound methods for bio-industrial applications. Therefore, the School of Biosystems and Biomedical Sciences aims to elucidate the essence of biological phenomena at the microscopic and analytical levels, ranging from cells to molecules. This forms the foundation for comprehensive research focused on enhancing the quality of life through macroscopic and integrated efforts, such as convergence with key technologies associated with the fourth industrial revolution, including biotechnology, healthcare, and the utilization of big data and artificial intelligence. By innovating biotechnology and healthcare industry platforms through integrated biomedical and life sciences, the department strives to prevent human diseases and to promote health. Operating an integrated education and research system that combines fundamental life sciences with interdisciplinary biomedical sciences, the School of Biosystems and Biomedical Sciences at Korea University seeks to educate talented individuals who will lead the promising biomedical industry and other emerging interdisciplinary medical disciplines.

Learn more about school

<https://bsm.korea.ac.kr/bsm/index.do>





School of Health and Environmental Science

Keyword

Health, Environment, Biology, Rehabilitation, Radiation



Introduction to the department

In the 21st century, the concept of human-centered health and the environment has become more important due to increased life expectancy and environmental pollution, thus academic efforts in the fields of health and the environment are essential for survival. Because the environment surrounding humans has a direct impact on health, research based on health and the environment must be supported to improve the quality of life and health of humans. Therefore, health and environment science is a future-oriented field that establishes a new paradigm that integrates health care and the environment with a focus on improving national health. Korea and other developed countries have already recognized the importance of this and are shifting from past policies that separate health and the environment to policies that connect people and the environment. The School of Health and Environment Science aims to cultivate experts who can monitor and prevent diseases by identifying harmful human and environmental factors that can negatively affect health and the environment. Furthermore, through the development and application of evidence-based and clinical research-based programs, we aim to systematically educate experts who can contribute to the improvement in health and the quality of life through disease prevention and management. In addition, we foster international talent who can apply radiation to various fields such as industry and medicine to create high added value or respond quickly to health and safety problems that may arise in the radiation or nuclear industry.

Learn more about school

<https://hes.korea.ac.kr/hes/index.do>





School of Health Policy and Management

Keyword

Health, Policy, Public Administration, Management, Health Care System



Introduction to the department

The School of Health Policy & Management

Maintaining health has been one of the most important goals of mankind since ancient times. The discipline of health policy and management focuses on addressing health issues in order to protect human health at the population level.

What Do We Learn in the School of Health Policy & Management?

Our discipline is closely related to policymaking in the health sector. The art of clinical practice treats individuals in times of sickness, whereas our discipline endeavors to establish policies, institutions, systems, and industrial networks to enable people to receive timely treatment, to prevent illnesses, and to promote public health in general.

The Future of the School of Health Policy & Management

To provide quality health services to citizens in a systematic manner, the importance of our discipline is growing. Our discipline is closely related to enhancing the quality of life and, in particular, the health of citizens. Particularly in Korea, where the issue of aging has become more pressing, our discipline is one of the key players in providing social and institutional solutions for national sustainability. Our discipline will also provide solutions to poverty, pandemics, and other related health issues at a global level.

Pathways after Graduation

Academia and Research Institutions

- University professor in related fields
- Korea Institute for Health and Social Affairs (KIHASA)
- Korea Health Industry Development Institute (KHIDI)

Public Sector

- Ministry of Health and Welfare and related ministries
- National Health Insurance Service (NHIS)
- Health Insurance Review & Assessment Service (HIRA)
- World Health Organization (WHO), World Bank

Private

- Sector Media and press, pharmaceutical companies, hospitals, medical device companies

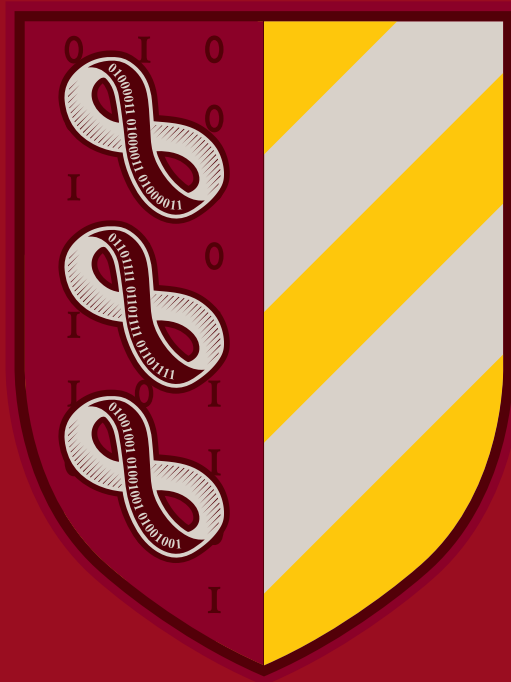


School of Health Policy and Management

Learn more about school

<http://chs.korea.ac.kr/hpm>





College of Informatics

Department of Computer Science and Engineering

Department of Data Science

Department of Artificial Intelligence

11



Department of Computer Science and Engineering

Keyword

Computer Networks, OS, Cloud Computing, Blockchain, AI



Introduction to the department

Computer Science is one of the key fields in the era of the Fourth Industrial Revolution, encompassing core technologies across a variety of subfields such as computer architecture, algorithms, artificial intelligence, operating systems, networks, databases, big data, computer security, software engineering, programming languages, human-computer interaction, cloud computing, the Internet of Things (IoT), and blockchain. Students also learn the implementation of these technologies, which is a crucial part of a Computer Science education. Representative languages include C, C++, JAVA, Python, and depending on the course, various languages and open-source software are used for practical exercises.

Additionally, hands-on learning through "Real-world Software Projects", Individual Research," and "Capstone Design" courses allows students to gain practical experience in solving real-world problems. The Computer Science department continuously updates its curriculum to keep pace with rapid technological advancements and teaches students the latest technologies. Furthermore, through Computer Science colloquium classes, students have the opportunity to be exposed to the latest research findings and trends, and to learn from lectures given by industrial researchers and engineers.

After graduation, students can enter a variety of professions such as software engineers, data analysts, system administrators, IT consultants, professors, researchers, and more, with the opportunity to grow into experts who operate at the forefront of technological innovation. The Computer Science and Engineering department, which leads the future of technological development and whose importance continues to grow, offers students with a future-oriented and challenging spirit a wealth of relevant knowledge and experience.

Learn more about department

https://cs.korea.edu/en_cs/index.do





Department of Data Science

Keyword

Blockchain, AI, Data Visualization, Natural Language Processing



Introduction to the department

Data science is a new field that studies theories and practical technologies to efficiently collect, store, process, and analyze the explosive growth of big data in various fields during the 4th Industrial Revolution. Data science is based on mathematics, statistics, and machine learning theories for the analysis of big data, artificial intelligence technology, databases to store and process big data efficiently, parallel computing, cloud computing, and data visualization.

Learn more about department

https://datascience.korea.edu/en_ds/index.do





Department of Artificial Intelligence

Keyword

Machine Learning, Natural Language Processing, Reinforcement Learning, Deep Neural Net, Decision Making, Computer Vision, Generative AI



Introduction to the department

Artificial intelligence is a specialized field of computer science with the objective to model, simulate and implement human or even super intelligence (or Singularity) in a partial or complete way. Aside from the computer science and mathematical foundation, the curriculum focuses on various computational models and techniques for mimicking various human problem solving processes such as symbolic reasoning, neural networks, machine learning, knowledge engineering and big data handling.

Furthermore, students will learn not only how to train and implement such models and deploy them in the field, but also how they are customized, fine-tuned, and ethically applied in specific areas, just to name a few, computer vision, common sense reasoning, robotics, and natural language understanding.

The grand objective of the curriculum is to prepare the students and have them reach the level and depth to give immediate impact in the industry upon graduation.

Learn more about academic societies and clubs

<http://ai-dept.korea.ac.kr>





College of International Studies

Division of International Studies

Division of Global Korean Studies

Global Open Major Division

12



Division of International Studies

Keyword

International Studies Expert, Interdisciplinary Thinking, Inclusive Leader, Innovative Leader



Introduction to the department

Established in 2002, the Division of International Studies (DIS) at Korea University was founded to nurture talented individuals who are aligned with the demands of globalization. The DIS has consistently produced global leaders who possess expert knowledge and practical experience in international studies .

The curriculum of the DIS focuses on enhancing the ability of students to comprehensively understand and analyze key international issues through the application of methodologies from a diverse range of academic fields, such as law, politics, economics, management, diplomacy, sociology, history, and culture, within the context of international relations. This approach utilizes interdisciplinary approaches to comprehensively understand complex global issues, enabling graduates to lead innovation and change for sustainable development in a rapidly evolving world.

The specific curriculum of the DIS encompasses various fields including international trade, international development cooperation, international peace and security, and regional studies. It addresses prominent global issues such as multicultural societies, income inequality, climate change, environmental problems, and human rights, among others. Furthermore, the program fosters a global perspective and mutual understanding among students of various nationalities and cultural backgrounds, aiming to produce well-balanced experts in international studies.

The curriculum of the DIS also offers practical training in addition to theoretical learning. Topics related to international studies such as human rights, sustainable development, climate and the environment, international law, resource management, education, and trade are taught not only theoretically but also through practical experiences such as internships at national and international organizations, global corporations, and humanitarian agencies, thus enhancing the practical competencies of the students.

In summary, the DIS focuses on specialized education spanning various disciplines, aiming to cultivate comprehensive analytical skills while embracing interdisciplinary perspectives. Its goal is to nurture conscientious individuals who make positive contributions to society.

Learn more about division

<https://int.korea.edu/kuis/under/intro.do>





Division of Global Korean Studies

Keyword

Korea Expert, Interdisciplinary Korean Studies, Korea and the World, Global Challenges



Introduction to the department

Responding to the growing global demand for experts specializing in Korea, the Division of Global Korean Studies (DGKS) is dedicated to nurturing the next generation of Korea experts capable of addressing a wide spectrum of challenges confronting both Korea and the broader global community.

At the heart of the DGKS curriculum lies a commitment to fostering an interdisciplinary understanding of Korea. This commitment is rooted in the recognition that the contemporary challenges faced by Korea and the global community intersect across various domains, including culture, the economy, and security. By immersing themselves in a diverse range of theories and methodologies that transcend traditional academic boundaries, students embark on an enlightening journey to explore 'Korea in the World' and 'the World in Korea.' Crucially, the interdisciplinary curriculum of DGKS goes beyond merely acknowledging Korea's unique traits; it directs attention toward the shared universality among nations and underscores Korea's interactions with various actors on the global stage. For example, students progress from studying Korea's distinctive social and cultural aspects to understanding the intricate process by which it has transformed into a multicultural society and clarifying Korea's role within the global cultural industry and global cooperation regarding migration. Moreover, students learn about Korea's economic and political transformation before analyzing the repercussions of today's global economic and security landscape on Korea. This analytical perspective, in turn, enables them to recognize Korea's potential contribution to the advancement of global peace and sustainable development.

Guided by the thoughtfully crafted curriculum outlined above, DGKS students can develop into Korea experts, equipped to tackle the challenges confronting both Korea and the broader global community. Particularly noteworthy is the role of international students within DGKS, who will be able to leverage their specialized knowledge and insights about Korea to deepen bilateral cooperation between their home countries or regions and Korea. With their flexible and inclusive perspectives on global affairs, these students are well-positioned to take up leadership roles in promoting global peace and sustainable development.

Learn more about division

https://int.korea.edu/kuis/under/intro_dgks.do





Global Open Major Division

Keyword

Open Major, Major Exploration, Designed for International Students



Introduction to the department

At Korea University, we understand that many students preparing for university admission face the challenge of choosing the right major. This decision can be even more daunting for international students who have decided to study in Korea as they navigate an unfamiliar Korean university environment. To address these challenges, Korea University offers the Open Major system for international students. Unlike most university programs, our unique approach allows students to actively explore a variety of majors for one year before committing to a major that is right for them.

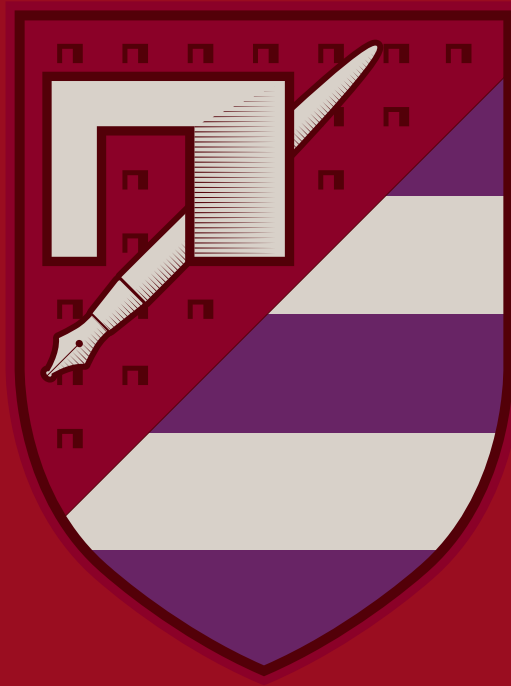
The Global Open Major Division (GOMD), housed within the College of International Studies, provides specialized first-year courses exclusively designed for international students admitted through the Open Major system. During the first year, students engage in liberal arts courses that enhance their understanding of Korean culture and facilitate their adaptation to life in Korea. They also participate in lectures and workshops offered by various departments designed to help students explore and choose their fields of study more thoughtfully. Upon completion of the first-year program, students can freely choose their majors from a wide range of departments at Korea University, including engineering, natural sciences, humanities, and social sciences. Once they have selected a major, their affiliation will be transferred to the respective department.

In the GOMD, we offer our educational curriculum in both Korean and English, allowing students to study in their preferred language based on their individual preferences and language abilities. Students opting for the Korean track will spend their first year within the GOMD further developing their Korean language skills before freely selecting their major from the majority of departments at Korea University (excluding those majors exclusive to the English track) when entering their second year. Students who choose the English track will have the opportunity to select their major from a range of programs offered exclusively in English at Korea University.

Learn more about division

https://int.korea.edu/kuis/under/intro_gomd.do





School of Art & Design

School of Art & Design

13



School of Art & Design

Keyword

Industrial & Information Design, Product Design, User Experience Design, Formative Art, Media Art



Introduction to the department

The School of Art & Design originated from the Art Education Department in the College of Education in 1989. It became an independent school and split from the College of Education in 2000, reorganizing its four majors (Oriental Painting, Western Painting, Sculpture, and Design) into two majors in 2007 (Sculpture Fine Arts and Industrial Information Design) as the School of Art. In 2011, it was renamed the School of Art & Design to embark on a new journey, establishing a brand new curriculum and educational environment to meet the move toward globalization. The Industrial & Information Design major offers an education that encompasses both traditional and cutting-edge design skills across various industries, focusing on product and UX design, graphics, interfaces/interactions, and entertainment. The Formative Arts major, which builds on a traditional art education, introduces a variety of courses that utilize media and technology to nurture diverse talent, including new media creators and planners, alongside pure creative artists. Additionally, the school is expanding its selection of interdisciplinary majors such as Fashion Design, Merchandising, and Eco-Friendly Sustainable Design to meet societal demands, students' expectations, and future career paths.

The Industrial & Information Design major studies design across various traditional and cutting-edge industries, with product design at its core but also including spatial design, graphics, interfaces/interactions, and entertainment. In simple terms, this major focuses on contemplating how to create more convenient, economical, aesthetic, and unique products. The smartphones you hold and the transportation you use are products that result from this kind of design thinking. In this major, students systematically acquire design fundamentals and comprehensive design knowledge, with the aim to hone the design skills required by advanced design fields. Through various practical classes, students develop a holistic understanding of design development projects and cultivate integrated skills to smoothly manage them.

The Formative Arts major offers a balanced blend of theoretical knowledge and practical skills across various forms of sculpture and fine art. It nurtures versatile artistic abilities, including painting, curating, art management, criticism, and art conservation expertise, fostering talent over a broad range of areas such as exhibitions, performance, and culture. This major not only explores traditional fine arts such as Eastern and Western painting and sculpture but also delves into contemporary art trends from installation art to media art. It also covers subjects such as painting materials and art conservation that reflect the evolving cultural landscape.



School of Art & Design

Learn more about school

<http://and.korea.ac.kr>





College of Media & Communication

**School of Media & Communication
Division of Global Entertainment**

14



School of Media & Communication

Keyword

Media, Content, Convergence, Problem-solving, Creativity



Introduction to the department

The KU Media School was founded in 1965 as the first newspaper and broadcasting department in Korea. It has been at the forefront of Korean journalism and media development ever since. The school is currently the first and most innovative university in Korea to introduce a curriculum that reflects the seismic shifts in the media ecosystem. It has also strengthened its ties to the industry. The KU Media School currently has 18 faculty members and 717 undergraduate students (as of September 2023) and has produced over 4,000 graduates to date. The fact that the school has the most graduates working in the media industry in Korea speaks to its reputation.

Traditional media studies have focused on media such as newspapers, broadcasting, and publishing. However, digital technology, globalization, and media convergence are now the driving forces behind the development of the field. These changes require interdisciplinary integration. Media studies is growing as a central discipline that connects various fields of study, including psychology, anthropology, political science, sociology, Korean literature, computer science, and neuroscience. As a result, media studies is now a discipline that values creative and critical thinking based on a culture of technology fusion, globalization, and deterritorialization. In this sense, media studies has infinite possibilities.

The KU Media School aims to cultivate creative media architects who act as pioneers and leaders in the global media and communication industry. The school seeks to nurture talented individuals who can effectively solve the diverse and complex problems facing media and communication in the future by comprehensively understanding the core of these problems from a balanced perspective using data science and creative thinking. In the undergraduate courses at the KU Media School, students learn a wide range of media and communication topics, covering the production, distribution, and consumption of media content. This includes familiar areas such as broadcasting, video, online and mobile media, new media, journalism, advertising, and public relations. The two keywords that differentiate the KU Media School are "creativity" and "media data science." Through creativity education, such as design thinking, writing expression, visual expression, and digital expression, students develop the ability to produce creative content. In addition, by learning about data science in media-related areas, such as big data, machine learning, and programming, students develop the ability to collect, analyze, interpret, and create data. Based on these two problem-solving tools, students can solve a variety of media and communication problems.

The KU Media School courses are not just a list of theories. Of course, theory is important in any field of study. However, it is equally important to have hands-on experience based on theory. The school offers a curriculum of basic theory, basic practice, advanced practice, and field experience. Another feature of the KU Media School is that students can explore all areas of media if they wish. Students can learn about media from broadcasting, film, online, mobile, newspapers, magazines, journalism, political communication, advertising, public relations, and new forms of communication throughout their university life.



School of Media & Communication

Learn more about school

<https://mediacom.korea.ac.kr/undergraduate/introduce.html>





Division of Global Entertainment

Keyword

Entertainment, Content, Culture, Industry, Designed for International Students



Introduction to the department

The Division of Global Entertainment within the College of Media & Communication is a newly created undergraduate program designed specifically for international students. Its goal is to cultivate global leaders who drive change and growth in the entertainment industry. With the increasing global influence of the Korean media industry, there is a rapidly growing demand from international students to learn about Korea's entertainment sector and culture. Launching in March 2025, the Division of Global Entertainment will offer a systematic curriculum that integrates theory and practice to foster key personnel who will lead the entertainment media industry worldwide.

The entertainment sector is not only a high-value-added industry but also a significant field that greatly influences individual lives, culture, and society as a whole. To become professionals in this sector, it is essential to understand the trends in media, content, technology, industry, and management. To meet these needs, the Division of Global Entertainment provides a systematic curriculum designed to produce key personnel capable of leading trends in entertainment content, platforms, and the overall industry. Through a diverse curriculum delivered by top faculty members in the entertainment media field, students will develop their competencies in entertainment culture, the entertainment industry, and entertainment strategy.

Learn more about academic societies and clubs

<https://mediacom.korea.ac.kr/undergraduate/entertainment.html>





School of Interdisciplinary Studies

School of Interdisciplinary Studies

15



School of Interdisciplinary Studies

Keyword

Public leader, legal education, public governance, interdisciplinary studies



Introduction to the department

Korea University School of Interdisciplinary Studies (SIS) is a department that upholds social responsibility and the longstanding tradition of producing public leaders in the footsteps of the former College of Law.

Resolving the intricate and multifaceted social issues facing contemporary society requires a high level of specialized knowledge and skills. Hence, our primary educational objective is to cultivate proficient leaders. We strongly believe that our students who graduate from the SIS will assume leadership roles and shape the future of Korean society.

Our convictions regarding education at the SIS is exemplified by the fact that, unlike other departments, we offer our students the opportunity to independently select their own majors, among 30 majors, encompassing disciplines such as liberal arts, social sciences, natural sciences, and computer sciences.. After completing their first academic year, students are able to select a major that aligns with their individual aptitudes and interests and then refine it in the second year.

Furthermore, our institution offers the specialized major Public Governance and Leadership, which aims to provide students with a comprehensive understanding of law, economics, and administration. This program is designed to produce individuals who possess the necessary skills and knowledge to excel as future public leaders, enabling them to develop their character, expand their knowledge base, and enhance their experiences in each field. In addition, Korea University School of Law school provides systematic and quality education to our students in various legal fields, based on its strong connection and developmental relationship with the SIS.

Learn more about school

https://sis.korea.edu/sis_eng/index.do





Division of Smart Security

Division of Smart Security

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Division of Smart Security

Keyword

Cybersecurity, Artificial Intelligence(AI), Information Security, Software Security, Cryptography



Introduction to the department

Division of Smart Security is a new division established in 2021 with the best faculty in Korea in the field of new technologies such as software, cybersecurity, and artificial intelligence (AI), which are vital drivers of the smart society and cyber environment. Division of Smart Security fosters engineers and scholars equipped with fundamental skills in software and AI who research and apply cybersecurity for academia, industry, legal circles, government agencies, and large corporations.

▪ The Future of Division of Smart Security.

The future of cybersecurity is both exciting and challenging. The birth of new technologies, such as AI, requires new security techniques and, as more and more systems connect to the Internet, cybercriminals have ever-increasing avenues for attack. Division of Smart Security produces experts in security technologies that keep society safe now and in the future.

▪ Curriculum.

- Freshman: Introduction to Smart Security, Mathematics for Smart Security, C Programming and Practice, Computational Logic
- Sophomore: Algorithm and Practice for Cryptography, Formal Methods, Mathematics for AI Security, Cryptographic Math, Introduction to Digital Forensics, Modern Cryptography, Software Reverse Engineering, Introduction to Hacking, Secure Coding, Cyber Ethics, Computer Architecture*, Compiler*, Digital Logic Design*
- Junior: AI Security I-II, Cryptographic protocol, Computer System Security, Data security, Risk Management, Computer Network Security, Cryptographic Applications, Secure software Engineering I, Introduction to de-identification, Operating System*, Computer Network*, Software Security*
- Senior: Secure Software EngineeringII, Security for Bigdata, Cyber Technology and Law, Privacy Protection, Capstone DesignI-II, Digital Forensic Practice, Hardware Security, Smart Security Application, Ways to Set Up a Great Startup Company, Internship I II-III

(* Subjects in College of Informatics)

▪ Special Programs.

- Microdegrees (Minimum of 12 credits)

① Cryptographic Technology

- Cryptographic Technology is a study that combines mathematics and computers. The goal of this course is to acquire mathematics and Cryptographic techniques to understand cryptographic technology and to



Division of Smart Security

implement these techniques in various fields.

- Cryptographic Math, Algorithms and Practice For Cryptography, Cryptographic Protocol, Cryptographic Applications, Smart Security Applications, Capstone Design I

② AI Security

- Based on an understanding of the mathematical structure of AI, we aim to understand AI security technology, develop reliable AI, and understand various AI security applications.

- Mathematics for Smart Security, Mathematics for AI Security, AI SecurityI-II, Capstone DesignI

▪ 2nd Major(Interdisciplinary Majors)

- Data Protection and Privacy: Established in cooperation with the School of Law and the Department of Public Administration to provide convergence education on privacy technology policies.

▪ Clubs & Society

KU WiCys: A club related to information security for female students supported worldwide by Microsoft.

MatKor: A club that aims to improve programming and problem-solving skills by learning and applying mathematical theories. It also aims to improve practical and development skills based on projects.

Learn more about division

gss.korea.edu/sis_en/SMRT.do





School of Psychology

School of Psychology

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School of Psychology

Keyword

Intro to psychology, objective, curriculum reorganization, future



Introduction to the department

- The Department of Psychology at Korea University originated in 1959 as the Department of Educational Psychology within the College of Liberal Arts. In 1962, it became the standalone Department of Psychology and, in March 2021, it gained autonomy as Korea's first-ever School of Psychology. The School of Psychology at Korea University is the first psychology department in a domestic university to offer both Bachelor of Arts and Bachelor of Science degrees, thus expanding the range of possibilities for students' academic and career progression.
- By providing interdisciplinary education built on a foundation of multidisciplinary knowledge, the School of Psychology endeavors to prepare individuals to address the emerging challenges and novel issues that will face future society with creativity and an open mindset.
- The School of Psychology organizes its curriculum into five innovative categories: Mind & Machine (Psychology and Engineering), Schema & Scale (Psychology, Data, and Methodology), Creativity & Culture (Psychology, Culture, Humanities, and Arts), Wisdom & Wellbeing (Psychology, Health, and Education), and Leadership & Link (Psychology, Business, Economics, and Politics).
- In addition to traditional three-credit courses, it offers 1.5-credit sub-unit advanced courses. This pioneering educational system also has a significant impact on other majors at Korea University. It allows students to gain expertise in various social issues while seeking solutions to diverse societal challenges such as artificial intelligence (AI), publicness, and an aging society, all through the lens of psychology.
- In today's rapidly developing society, the ability to willingly explore new fields and harmoniously collaborate with specialized areas is essential for personal fulfillment and achievement. Self-awareness and effective communication with others during this process are critical skills, and this is the primary focus of what psychology, as a scientific discipline, focuses on. Psychology is an interdisciplinary field that applies to all facets of human-related knowledge and is steadily growing in significance and influence.

Learn more about school

<http://psy.korea.edu>





University College

University College

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University College

Keyword

Free Major Exploration, Specialized Education for International Students, Academic Korean, Academic Literacy, Global Competency



Introduction to the department

■ Introduction to University College

University College supports international students admitted through the international admissions track in adapting successfully to the Korean higher education environment and freely exploring academic majors that align with their interests and aptitudes.

Students belong to University College for one year and complete a curriculum consisting of Korean language courses, general studies courses, and specialized University College courses before advancing to various departments and majors at Korea University. Through this process, students are given sufficient opportunities to explore different academic fields and choose a major that best fits their academic goals and career plans.

To support international students' successful adjustment to university life and their future major studies, University College operates a specialized curriculum called the **Incubating Program**. This program is designed to help students gradually develop academic Korean proficiency and academic literacy skills necessary for major-level coursework, while also supporting their adaptation to Korean academic discourse and learning environments.

Building on this foundation, students broaden their understanding of Korean society and culture while developing self-directed learning skills and problem-solving abilities essential in the global era through various liberal arts and interdisciplinary courses. In addition, they strengthen their competencies in AI and digital technologies and cultivate the ability to adapt proactively to rapidly changing learning environments.

■ Introduction to the Incubating Program

1. Preparation for Major Studies

The Preparation for Major Studies area is designed to help international students systematically build academic Korean proficiency and the academic skills required for major-level coursework. Through courses such as "Korean for Major Studies I & II," students learn to understand university lectures and academic texts while gradually developing the academic literacy needed for their future major studies.



University College

2. Understanding Korean Culture

The Understanding Korean Culture area is designed to help international students broaden their understanding of Korean society and culture while developing intercultural communication skills. Through courses such as "Reading Korean Society through K-Culture" and "Understanding Korean Society through Change: From Hanok to the Metaverse," students gain a broader understanding of the diverse cultural and social characteristics of contemporary Korean society.

3. AX (AI Transformation)

The AX (AI Transformation) area is designed to help students develop AI application skills and digital literacy based on an understanding of artificial intelligence (AI) and digital technologies. Through courses such as "The World of Artificial Intelligence: Living in the Age of AI" and "Computer Skills Using Artificial Intelligence," students learn how to apply AI and digital technologies to their academic work and everyday lives.

Learn more about academic societies and clubs

<https://univ.korea.ac.kr/uc/index.do>

