

Graduate School of Data Science

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History

- 2021. 02. CNU - Seoul National University - Gwangju Metropolitan City signed a business agreement (MOU) for the development of regional innovation platform business and data science.
- 2021. 07. CNU - Seoul National University - Kyungpook National University signed business agreement (MOU) for data science education
- 2021. 09. Establishment Promotion Committee of the Graduate School of Data Science was launched
- 2021. 10. Opening Preparation Team of the Graduate School of Data Science was launched
- 2021. 10. Approval for establishment of Graduate School of Data Science (Ministry of Education)
- 2022. 03. Opening of the Graduate School of Data Science (1st Dean: Professor Kim Soo-hyung)
- 2022. 05. Opening ceremony of Graduate School of Data Science was held
- 2022. 06. Signed a business agreement (MOU) with Korea Electric Power Corporation Gwangju-Jeonnam Headquarters
- 2022. 12. Signed a business agreement (MOU) with Gwangju Artificial Intelligence Academy / Smart Human Resources Development Institute
- 2023. 01. Signed a business agreement (MOU) with Megaworks
- 2023. 04. Selection of Data Science Convergence Talent Training Project: Project period (total project amount): 2023 to 2029 (33.7 billion KRW)

Educational Goal

- Through systematic learning of computer science and mathematics/ statistics theory, trainees including non-majors are fostered to become data analysis experts who can be put into practice.
- The program cultivates practical experts who can solve problems by combining data science in various domains.

Administrators

Position	Rank	Name	Note
Dean	Professor	Kim Soo-hyung	
Vice-Dean	Assistant Professor	Euom Ieck-chae	

■ Faculty

Category	Faculty				Staff		Total
	Professor	Associate Professor	Assistant Professor	Adjunct Professor	Full-time	Concurrent Position	
Number of Individuals	1	3	5	24	1	2	36

■ Enrollment capacity by major

50 students per master's program

■ Degree Requirements

- For admission, application is available regardless of undergraduate degree (field, major) if the applicant has earned a bachelor's degree or is recognized by law as having an equivalent or higher academic background.
- The enrollment period is 2 years, and a Specialized Master's Degree in Data Science is awarded if the candidate earns an average grade of B (3.0) or higher, submits a thesis for the degree after completing 24 credits or more in the thesis track, and earns 30 or more credits in the project track.

■ What Do You Study?

Subject Name	credit	Subject Name	credit
Data Science Programming	3	Topics in Statistics for Data Science	3
Data Science Mathematics	3	Topics in Computing for Data Science	3
Data acquisition and visualization	3	Image Processing	3
Software Platforms for Data Science	3	Natural Language Processing	3
Machine Learning	3	Field Practice and Learning	3
Statistics for Data Science	3	Creative Interdisciplinary Capstone Project	3
Deep Learning	3	Advanced Machine Learning	3
Ethics and Law for Data Science	3	Advanced Statistics for Data Science	3
Interdisciplinary Thesis Study	3	Advanced Deep Learning	3
Machine Learning and Financial Engineering	3	Applied Data Science and Machine Learning for Cybersecurity	3
Data Mining for Agriculture	3	IoT Data Analytics	3
Advanced Statistics for Data Science	3		3

■ Faculty Members

Position	Name	Field of Study	Position	Name	Field of Study
Assistant Professor	Kang Byung-jeon	Medical Data	Associate Professor	Bang Do-yeon	Soft Robotics
Associate Professor	Seong Jin-taek	Artificial Intelligence	Professor	Lim Hoi-jeong	Natural Language Processing and Big Data Analysis
Assistant Professor	Euom Ieck-chaek	Privacy Security	Associate Professor	Um Tai-won	IoT Data Analysis
Assistant Professor	Jeon Jae-gi	Financial Data Analysis	Assistant Professor	Choi Tae-jong	Evolutionary Computing
Assistant Professor	Hong In-ho	Computational Social Science			
Adjunct Professor	Kim Soo-hyung	Artificial Intelligence	Adjunct Professor	Kim Sung-eun	Japanese Language and Literature
Adjunct Professor	Kim Yong-kwan	Physical Education	Adjunct Professor	Kim Min-soo	Statistics
Adjunct Professor	Kim Kyung-baek	Software	Adjunct Professor	Na Myung-hwan	Big Data
Adjunct Professor	Na In-seop	Artificial Intelligence	Adjunct Professor	Ryu Geun-pil	Public Administration
Adjunct Professor	Park Seok-kang	Business Administration	Adjunct Professor	Park Il-woo	Biomedical Engineering
Adjunct Professor	Park Jin-kyung	Nursing	Adjunct Professor	Shin Choon-sung	Immersive Media
Adjunct Professor	An Min-jeong	Nursing	Adjunct Professor	Yang Hyung-jeong	Artificial Intelligence
Adjunct Professor	Yoo Sun-yong	Computer Information and Communication	Adjunct Professor	Yun Jin-hyeon	Animal Welfare
Adjunct Professor	Lee Sang-hyun	Horticulture and Life Science	Adjunct Professor	Lee Joon-woong	Industrial Engineering
Adjunct Professor	Joung Seul-gi	Industrial Engineering	Adjunct Professor	Choi Deok-jai	Software
Adjunct Professor	Han Seung-hwoi	Mechanical Engineering	Adjunct Professor	Han Tae-ho	Agriculture
Adjunct Professor	Huh Jeong-gyu	Big Data	Adjunct Professor	Heo Jin-a	Cultural Anthropology and Archeology