

Notice of Comprehensive Exam for Spring Semester 2025

Please note that details related to the Comprehensive Exam may be subject to change until you receive the confirmation message after applying. Be sure to regularly check for any updates to avoid any potential disadvantages

1. Exam Qualification & Acceptance criteria

Program	credits	GPA	Number of passed subjects	Passing score
Master's degree	acquired 12 or more	3.0 or higher	3	· A score of 70 out of 100 per subject · If a subject is failed, it must be retaken in a subsequent semester to meet graduation requirements · Subjects already passed are exempt from exams and do not count towards the number of subjects to be taken for each semester.
Doctoral degree	acquired 21 or more	3.0 or higher	4	
Integrated Master and Ph.D. degree	acquired 30 or more	3.0 or higher	4	

- ※ Only major subjects are counted as necessary credits. (Research Guidance, prerequisite or advisor designated courses are not counted)
- ※ Regardless of language exam result, students can take the comprehensive exam.

2. Application Period and Method

A. **Period: March 5(Wed.) ~ 7(Fri.)**

B. **Online application:** KUPID > Registration&Graduation > Application/Verification for exams > Application for Comprehensive Exam

※ After applying online, be sure to check your application details and print(capture) the application details and keep them(as proof in case of future problems).

3. Time of Written Test

A. Department of Computer Science and Engineering

: **3/21(Fri.) 18:00 ~ 19:40**(Regardless of the subject, the exam will be 100 minutes long.)

B. Department of Brain and Cognitive Engineering

: **3/20(Thu.) 18:00 ~ 19:40**(Regardless of the subject, the exam will be 100 minutes long.)

C. Department of Artificial Intelligence

: **3/19(Wed.) 18:00 ~ 19:40**(Regardless of the subject, the exam will be 100 minutes long.)

4. Exam type and Subjects

Department of Computer Science and Engineering	<p>·Exam type : Written Test</p> <p>·Master's Program : Select 3 subjects from the list below</p> <p>·Doctoral Program and Integrated Master's/Doctoral Program : Select 4 subjects from the list below</p> <p>·Exam Subjects :</p> <p><i>ADVANCED SOFTWARE ENGINEERING(AAA511), ADVANCED DATABASES(AAA512), ADVANCED OPERATING SYSTEMS(AAA513), ADVANCED COMPUTER ARCHITECTURE(AAA514), ADVANCED DATA STRUCTURE(AAA516), DESIGN AND ANALYSIS OF ALGORITHMS(AAA519), COMPUTER GRAPHICS(AAA520), INTRODUCTION TO INFORMATION SECURITY(AAA522), COMPUTER NETWORK(AAA523), ELECTROMAGNETIC FIELD THEORY(AAA597), ADVANCED HCI(AAA627), ACTIVE MICROWAVE CIRCUITS(AAA727), ADVANCED ELECTROMAGNETICS(AAA729), WIRELESS COMMUNICATIONS ENGINEERING(AAA730), ANTENNA ENGINEERING(AAA731), ADVANCED COMPUTER PROGRAMMING(IGC503/AAA521)</i></p> <p>Total 16 Subjects.</p>
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Department of Artificial Intelligence	<p>(1) Master's Program ·Exam type : Written Test or Oral Test ·Select 3 subjects from the list below</p> <p>(2) Doctoral Program and Integrated Master's/Doctoral Program ·Exam type : Written Test ·Select 4 subjects from the list below</p> <p>(3)Exam Subjects</p> <table border="1" data-bbox="368 456 1407 748"> <tr> <td data-bbox="368 456 684 546">Basic Mathematics Area (Choose one of the following)</td><td data-bbox="684 456 1407 546">PROBABILITY AND STATISTICS(XAI502), LINEAR ALGEBRA(XAI504), CALCULUS(XAI505)</td></tr> <tr> <td data-bbox="368 546 684 618">Major Required Area (Select 1 subject)</td><td data-bbox="684 546 1407 618">MACHINE LEARNING(XAI501)</td></tr> <tr> <td data-bbox="368 618 684 748">Major Elective Area (Choose one of the following)</td><td data-bbox="684 618 1407 748">DEEP LEARNIG(XAI506), COMPUTER VISION(XAI507), NATURAL LANGUAGE PROCESSING(XAI508), AUTOMATIC SPEECH RECOGNITION(XAI509), BIG DATA ANALYSIS(XAI510), NEURAL NETWORKS(XAI511)</td></tr> </table>	Basic Mathematics Area (Choose one of the following)	PROBABILITY AND STATISTICS(XAI502), LINEAR ALGEBRA(XAI504), CALCULUS(XAI505)	Major Required Area (Select 1 subject)	MACHINE LEARNING(XAI501)	Major Elective Area (Choose one of the following)	DEEP LEARNIG(XAI506), COMPUTER VISION(XAI507), NATURAL LANGUAGE PROCESSING(XAI508), AUTOMATIC SPEECH RECOGNITION(XAI509), BIG DATA ANALYSIS(XAI510), NEURAL NETWORKS(XAI511)
Basic Mathematics Area (Choose one of the following)	PROBABILITY AND STATISTICS(XAI502), LINEAR ALGEBRA(XAI504), CALCULUS(XAI505)						
Major Required Area (Select 1 subject)	MACHINE LEARNING(XAI501)						
Major Elective Area (Choose one of the following)	DEEP LEARNIG(XAI506), COMPUTER VISION(XAI507), NATURAL LANGUAGE PROCESSING(XAI508), AUTOMATIC SPEECH RECOGNITION(XAI509), BIG DATA ANALYSIS(XAI510), NEURAL NETWORKS(XAI511)						
Department of Brain and Cognitive Engineering	<p>·Exam type : Written Test</p> <p>·Master's Program : Select 3 subjects from the list below</p> <p>·Doctoral Program and Integrated Master's/Doctoral Program : Select 4 subjects from the list below</p> <p>·Exam Subjects : INTRODUCTION TO BRAIN IMAGING ENGINEERING(BRI501), INTRODUCTION TO COGNITIVE BRAIN SCIENCE(BRI502), INTRODUCTION TO BRAIN-COMPUTER INTERFACE(BRI503), INTRODUCTION TO BRAIN AND COGNITIVE ENGINEERING(BRI504), INTRODUCTION TO MACHINE LEARNING(BRI507), INTRODUCTION TO BRAIN SIGNAL PROCESSING(BRI509), PROBABILITY AND STATISTICS FOR BRAIN AND COGNITIVE ENGINEERING(BRI510), NEUROSCIENCE(BRI511), UNDERSTANDING THE HUMAN BRAIN(BRI512), INTRODUCTION TO APPLIED MATHS(BRI515), INTRODUCTION TO NEURAL NETWORKS(BRI516), INTRODUCTION TO BRAINWAVE ANALYSIS(BRI517) Total 12 Subjects.</p>						

5. Important Notes

- When applying for comprehensive exam subjects, you may include subjects that you have not yet taken within the exam subjects.
- If applying for the comprehensive exam for subjects you have not taken, the exam subjects will not be displayed. In this case, select "Other (100000)" and enter the course code and subject name of the exam you wish to apply for in the remarks section (mandatory).
- Master's students can apply for up to 3 subjects, and doctoral and integrated master-doctoral program students can apply for up to 4 subjects. Please apply according to the number of eligible subjects (excess applications will be deleted).
- Subjects already passed are exempt from further exams and are considered passed.
- Starting from the 2024 academic year, already passed subjects will be excluded from the number of subjects you can apply for each semester.
(Example: If a student in the integrated master's and doctoral program has already passed 2 comprehensive exam subjects, they can only apply for 2 subjects in the 2025-1 semester's comprehensive exam.)

6. Announcement of Successful Applicants

- Applicants who pass the comprehensive exam will be announced at PM 2:00 on April 14(Mon.).
- Check the results of the test on the KUPID.