

Graduate School of Education

—Contact Information

Phone: +82-62-530-2572

Fax: +82-62-530-2302

URL: <http://edutop.jnu.ac.kr>

■ Graduate Studies in the Graduate School of Education

The Graduate School of Education (GSE) was established in 1975 for the purpose of retraining current teachers in modern educational theories and training prospective teachers in well-oriented, appropriate programs. GSE programs provide current and prospective teachers with creative problem solving abilities associated with their major studies and educational theories in order to instil passion in their instruction. Therefore, GSE graduates are expected to be professional teachers and educators equipped with the ability of leading regional education systems and contributing to the future of educational and social development according to the demand of the times.

There are 22 master's degree programs offered by the GSE, including Counseling Psychology, Korean Education, English Education, Mathematics Education, Physics Education, Chemistry Education, Biology Education, Earth Science Education, Music Education, Fine Art Education, Physical Education, Home Economics Education, Early Childhood Education, Computer Education, Electrical Electronic and Communication Education, Nutrition Education, Special Education, Librarian Education, Integrated Social Studies Education, Artificial Intelligence Convergence, Humanities-Social Science Convergence, School Education Reconstruction.

■ Degree Requirements

Students holding a bachelor's degree or its equivalent are eligible to apply for admission. Courses are offered during the summer and winter vacation periods. The length of the coursework is two years and six months or greater.

The minimum number of credits required for completion of the Master's Degree of Education is 27. A student may not take more than 6 credits per semester of his/her major courses.

A student whose field of specialization is different from his or her undergraduate major is required to earn a maximum of 15 additional credits in relevant undergraduate courses. Successful applicants should have CGPAs of C or higher. A total of up to 9 credits earned at other universities and colleges can be transferred to the master's degree program of the GSE.

A grade of C or better is acceptable for courses in the master's degree program, but the CGPA of graduate students should be a C or higher in order to be awarded the master's degree. Those with equivalent qualifications, as well as international students, can be accepted as special students through relevant examinations.

■ Professors

Faculty members of the GSE are usually composed of 3 to 5 professors from each department of the College of Education.

■ What Do You Study?

Artificial Intelligence Convergence

Topics In Artificial Intelligence
Artificial Intelligence Programming
Convergence Education in Digital Era
Mathematics for Artificial Intelligence
Instructional & Learning Theories in AI Application
Instructional Development for Social Problem Solving
Topics in Machine Learning
Design and Development of Instruction for AI Educational
Instructional Development of Creative Convergence for Science Class
Mathematics for Artificial Intelligence
AI and Problem Solving Class
Convergence Project for Cross Subject Matters
Advanced Artificial Intelligence
AI Education Policy Development Project
Field Study of School Application

Home Economics Education

Advanced Home Management
Advanced Clothing Materials
Advanced Food Science
Advanced Child Development
Methodology in Home Economics Education
Advanced Research and Teaching of Home Economics Materials
Advanced Course on Home Economics Logic and Essay Writing
Advanced Family Life and Welfare
Advanced General Housing
Advanced Food History
Advanced Clothing Management
Statistics
Advanced Apparel Design

Advanced Culture of Clothing
Advanced Nutrition
Advanced the Family
Advanced Home Economics Education
Advanced Meal Education
Seminar of Home Economics Education

Korean Education

Korean Language Education
Korean Literature Education
Korean Linguistics Education
Policy on the Korean Language
Korean Grammar Education
Korean Phonology Education
Korean Semantics Education
Ancient Korean Poetry Education
Ancient Korean Fiction Education
Oral Korean Literature Education
Modern Korean Poetry Education
Modern Korean Fiction Education
Literary Criticism
The Korean Language Proficiency Evaluation
Studies on Korean Literary History
Studying Media Education
Theories on Communication Education
Studies on Teaching Materials of Korean
History of Korean Language Education

Physics Education

Quantum Physics
Condensed Matter Physics
Mathematics for Physics
Physics Laboratory
Materials in Physics Education
Physics Education Laboratory
Nuclear and Particle Physics

Researches in Physics Education
Modern Optics
Theory of Fluid
Advanced Physics Education Experiment
Theory and Practice in Teaching Physics
Psychology in Physics Learning
Physics Curriculum and Evaluation
Seminar in Physics
Statistical Thermodynamics
Studies on Physics Education for the Gifted
Education of Mechanical Concepts
Education of Electromagnetic Concepts
Studies in Physics Education

Fine Art Education

History of Korean Art
Drawing
Theory of Art Education
Practice of Crafts
Practice of Design
Practice of Sculpture
Practice of Painting
Practice of Korean Painting
Aesthetics
Image Art
Techniques of Expression
Theory of Modern Arts
Art Teaching and Learning Methods
Logics and Writing of Art
Computer Lesson Support of Art
Expression and Development Stage of Children's Art
Development and Application of Teaching Materials for Art Education
The philosophical theory of Korean art
Art and Culture

Counseling Psychology

Psychology of Personality
Psychological Testing
Counseling of Special Children
Counseling Practicum and Case Studies

Group Counseling
Family Counseling
Counseling Theories and Practice
Behavior Modification
Abnormal Psychology
Career Counseling
School Psychology

Biology Education

Advanced Vertebrate Zoology
Advanced Genetics
Advanced Animal Physiology
Advanced Plant Physiology
Advanced Invertebrate Zoology
Advanced Microbiology
Advanced Human Embryology
Advanced Environmental Biology
Advanced Ecology
Advanced Plant Taxonomy
Advanced Animal Taxonomy
Advanced Molecular Biology
Advanced Cell Biology
Studies in Biology Education
Biology Logic and Essay Writing
Secondary School Biology Curriculum and Teaching Method
Action Research in Biology Education
Multimedia in Biology Education

Mathematics Education

Teaching Materials for Algebra
Teaching Materials for Analysis
Pedagogy of Mathematics
Teaching Materials for Geometry
Topics in Algebra I
Topics in Algebra II
Topics in Analysis I
Topics in Analysis II
Topics in Geometry
Topics in Topology
Topics in Mathematical Statistics
Combinatorics

Topics in Applied Mathematics
Mathematics Using Computer
Psychology of Learning Mathematics
History of Mathematics Education
Studies in Mathematics Education
Mathematics Teaching and Learning Materials

English Education

English Language Learning and Teaching
Methodology
Pedagogical English Grammar
Studies in British and American Culture
Second Language Acquisition
History of the English Language
General Linguistics
English Phonology
Seminar on British and American Poetry
Seminar on British and American Fiction
Seminar in English Language Teaching
Seminar on British and American Drama
Critical Perspectives on British and American Literature
Research Methods in English Education
Teaching English Literature
Teaching English Linguistics
Multimedia and English Teaching
ELT Materials Development
Testing in TEFL

Nutrition Education

Advanced Nutrition Education and Counseling
Advanced Food Science
Advanced Food Safety
Advanced Nutrition
Advanced Nutrition in Life Cycle
Advanced Foodservice in Institution
Advanced Nutritional Assessment
Advanced Diet Therapy
Advanced Principles of Food Preparation
Advanced Nutrition Education Method
Advanced Public Health Statistics
Advanced Community Nutrition
Research on Foodservice Management

Advanced Cultural Aspects of Food
Research of Teaching Materials and Methods in
Nutrition Education
Advanced Functional Food
Advanced Food Processing and Preservation
Seminar in Nutrition Education

Early Childhood Education

Theoretical Foundations of Early Childhood
Education
Curriculum and Instructional Resources in Early
Childhood Education
Research Methods in Early Childhood Education
Instructional Methods and Practices in Early
Childhood Education
History and Philosophy of Early Childhood
Education
Developmental Psychology of Early Childhood
Theories of Play in Early Childhood Education
Study of Early Childhood Education Programs
Study of Language Education in Early Childhood
Study of Social Education in Early Childhood
Study of Science and Mathematics Education in
Early Childhood
Administration and Supervision in Early Childhood
Institutions
Seminar in Parent Education
Field Study in Early Childhood Education
Study on Counseling and Guidance for Young
Children
Instructional Media for Young Children
Study of Children's Literature in Early Childhood
Education
Study of Creative Art Education in Early Childhood
Education
Study of Inclusive Education for Young Children
Study of Early Childhood Teacher Education

Music Education

A Course on Music Logic and Essay Writing
Teaching Material and Pedagogy of Music
Music Education Theory

Psychology of Music Education
Music History
Seminar in Music Education
Curriculum of School Music Education
Introduction of Korean Traditional Music
Korean Music Major
Adapting Multi-MIDI in Music Classes
Advanced Music Theory
Teaching of Choir Class
Pedagogy and Music Education

Integrated Social Studies Education

Common Sociology Logic and Essay Writing
Curriculum and Instruction in Social Studies
History of Political-Social Thought
International Political Economics
International Relation and Regional Politics
Local Government and Civics Education
Methods in Social Studies Education
Modern Society and Culture
Multimedia and Education
Participatory Research in Social Studies Education
Social Problems and Welfare
Studies in Korean Unification
Teaching Method of Social Studies
Theories of Law
Theories of Political Science
Theory of Information and Society
Theory of Korean Economics
Theory of Korean Politics
Theory of Modern Democracy

Electrical Electronic and Communication Education

Materials and Instructional Method in Industrial Education
Theories of Teaching Logic and Logical Writings in Industrial Education
Management of Industrial Education
Seminar in Technical Education
Research Methods in Technical Education

Action Research in Technical Education
Advanced Design of Digital Circuit
Advanced Microprocessor
Advanced Automatic Control
Advanced Electrical Engineering
Advanced Engineering Electromagnetics
General Electrotechnics and Electronics
Advanced Electronic Engineering
Advanced Electromagnetic Applications
Advanced Electronic Circuit
Advanced Computer Network
Advanced Computer Application Education
Advanced Communication Engineering
Advanced Circuit Theory

Computer Education

Development & Implementation of the Computer Education Curriculum
Design & Development of the Multimedia Assisted Instruction
Topics in Data Structure
Research in Computer Education
Telecommunication & Distance Education
Teaching Materials in Computer Education
Advanced Computer Organization
Advanced Operating System
Theory of Compiler Construction
Topics in Programming Language
Design and Analysis Algorithm
Topics in Artificial Intelligence
Topics in Computer Networks
Topics in Software Engineering
Advanced Computer Graphics
Database Design and Modeling
Distributed Database System
Advanced Object-Oriented System

Earth Science Education

Advanced Earth Science I
Advanced Earth Science II
Teaching Materials in Earth Science
Advanced Geophysics

Stellar Physics
Topics in Climatology
Advanced Applied Geology
Advanced Oceanography
Advanced Stratigraphic Paleontology
Micro-Meteorology
Astronomical Observation and Analysis
Global Tectonics
Petrogenesis
Advanced Mineralogy
Natural Disasters and Resources
History of Earth Science and Earth Science Education
Multimedia and Earth Science Teaching Materials
Earth Science Education and Regional Environment
Studies in Science Education

Physical Education

Measurement and Evaluation of Physical Education
History of Physical Education
Philosophy of Physical Education
Study on Teaching of Physical Education
Physical Education Theory
Physical Education Logic and Essay Writing
Physical Healthy Theory
Korean Dance
Physical Training
Sport Physiology
Physical Teaching Method
Sociology of Physical Education
Sport Psychology
Sport Biomechanics
Administration of Physical Education
Motor Learning and Control
Training Theory

Chemistry Education

Topics in Physical Chemistry
Topics in Organic Chemistry
Topics in Chemistry Education
Topics in Inorganic Chemistry

Topics in Quantum Chemistry
Topics in Instrumental Analysis
Topics in Physical Organic Chemistry
Topics in Chemical Thermodynamics
Topics in Organic Reaction Theory
Topics in Chemical Kinetics
Topics in Biochemistry
Advanced Analytical Chemistry
A Course on Chemistry Logic and Essay Writing
Curriculum and Evaluation in Chemical Education
Teaching Methods and Material Development in Chemical Education
Issues in Chemical Education
Research Method in Chemical Education
Teaching and Learning Theories in Chemical Education
Research Methodology in Chemical Education
Chemistry Logic and Essay Writing
Advanced Electrochemistry

Special Education

Teaching methods and materials in Special Education
Research Methodology in Special Education
Introduction to Special Education
Education for Children with Intellectual Disabilities
Education for Children with Physical Disabilities
Education for Children with Emotional Disorders
Education for Children with Communication Disorders
Education for Children with Learning Disabilities
Inclusion of Children with Special Needs
Special Education Technology
Curriculum and Instruction in Special Education
Psychology and Education of Children with Disabilities
Special Education and Counseling
Special Education Administration
Assessment and Evaluation of Children with Disabilities
Applied Behavior Analysis
Education for Children with Visual Impairments
Education for People with Hearing Impairments
Movements of Thought in Modern Education
School Education and Society
Introduction to Early Childhood Special Education

Librarian Education

Advanced Research Methodology in Library and Information Science
Studies in Classification Theory
Studies in Reading Education
Introduction to Education Materials and Media
Studies in Library & Information Center Management
Theory of Bibliotherapy
Studies in Cataloging Theory
Advanced Library and Information Science
Studies in Indexing and Abstracting
Management of Internet Resources
Studies in Collection Management
Studies in Information Retrieval
Cultural Review of Information
Studies in Information Services
Information and Society
User Studies
Studies in Special Materials
Topics in School Library Management
Thesis

Humanities and social integration

Advanced Climatology
Advanced Geographic History
Advanced Geomorphology
Education for Culture and Historical Geography
Education for Economic Geography
Education for Population Geography
Education for Regional Study in Korea
Education for Urban Geography
Geography Education Theory
Research in Education of World Regional Geography
Seminar in Human Geography Education
Seminar in Physical Geography Education
Social Geography Seminar
Introductory Theory of History Education
History of Chinese Historiography
History of Korean Politics
History of Western Historiography

History of Western Socio-Economics
History of Korean Socio-Economics
History of Chinese Socio-Economics
Modern-Contemporary History of Korea
Modern and Contemporary History of Europe
Twentieth Century Modern History
Pre-Modern History of East Asia
Modern and Contemporary History of East Asia
Ancient and Medieval Korean History
Intellectual and Cultural History of Korea
Studies in Western Ethical Thoughts
Studies in Theories of Moral and Ethics Education
Studies in Korean Ethics Education
Seminar in Theories of Value Education
Studies in Modern Ethical Thought
Seminar in the Ethical Theory of Buddhism
Research on Welfare State
Topics in Classic Writings of Western Ethics
Studies in East Asian Ethics Education
Seminar in the Ethical Theory of Lao-tzu and Chang-tzu
Studies in Moral Psychology and Moral Development
Studies in Social Democracy

School Education Reconstruction

Teacher's Leadership and Sineonseopan
Innovating My School: Power of One
Qualitative Research Methods in Education
Case Study Research and Applications
Functions/Dysfunctions of School Organizations
Understanding School Organization and Educational Innovations
The Role of Teacher in Community
Quantitative Research Methods in Education