

The Master's Program for Modern Educational Technology

(045114)

Department of Educational Information Technology

Program Objectives

The purpose of the Master Program of Modern Educational Technology is to prepare for future K-12 informational technology teachers and administrative staffs with educational technology knowledge, professional ethics, innovative awareness, and strong educational teaching and research skills. The program aims to help candidates growing into excellent teachers and educator by developing a solid foundation during the study. Specific requirements are as follows:

- Students support the leadership of the Communist Party of China and have a passion for education. Students have a good understanding of modern educational philosophy, professional ethics, and a strong intention to be innovative.
- Students have strong foundation of theoretical knowledge in education, subject expertise and teaching skills. Students can creatively use educational technology tools in teaching and management, and integrate modern information technology with educational concepts to effectively deliver high quality curriculum.
- Students have strong research skills in education, strong educational practice abilities and reflective abilities. Students can actively carry out educational research and are willing to continuously improve the quality of education and promote their professional development.
- Students are competent in teaching and investigating information technology and general technology, as well as the planning, design, application development and project management of teaching information communication technology of all school levels and the development of various education and training resources.
- Students are proficient in academic reading in the field, and have an international perspective.

Program candidates

The program candidates are required with a bachelor's degree (or equivalent academic undergraduate degree) from the national education system, majoring in

education technology or related fields, such as computer, electronic engineering, psychology, and education.

Period of study

This is a 2-year program (maximum time for completion of the degree is 5 years). Applications for early graduation will not be accepted. The courses are taught face to face in East China Normal University.

Curriculum Information

The courses are divided into five modules: public courses, degree-based courses, professional compulsory courses, professional elective courses, and educational practice reflection. The total credit is no less than 37 credits.

Public courses (5 credits)

- *Public English (2 credits)*
- *Theory and Practice of Socialism with Chinese Characteristics (2credits)*
- *Marxism and Social Science Methodology (1credit)*

Degree foundation course (8 credits)

- *Principles of Education (2credits)*
- *Curriculum and Teaching Theory (2credits)*
- *Education Research Methodology (2credits)*
- *Psychological Development and Education (2credits)*

Professional required courses (10 credits)

- *Research on Courses and Teaching Materials of Information Technology Subjects (2 credits)*
- *Teaching Design and Implementation of Information Technology Subjects (2 credits)*
- *Design and development of Learning Support Platforms (2 credits)*
- *Research Frontier of Modern Educational Technology (2 credits)*
- *Professional English (1 credit)*
- *Academic Writing (1 credit)*

Professional elective courses (at least 6 credits)

- *Learning Science Theory and Practice (2 credits)*
- *Theory and Practice of Psychological and Educational Assessment (2 credits)*

- *Design and Development of Educational Equipment (2 credits)*
- *Educational Data Mining and Learning Analytics (2 credits)*
- *Maker Education and 3D Printing Application Workshop (2 credits)*
- *Multivariate Statistics and Its Educational Application (2 credits)*

Practical teaching (8 credits)

The practical teaching for full-time masters include in-school practical training and out-of-school practice. The practical teaching is not less than one year, and the out-of-school practice is not less than one semester, the specific arrangements are as follows:

- **Classroom practice (2 credits)**

Teaching skill training and case analysis (1 credit): under the environment of ICT in education, the classroom teaching skills training of students is effectively combined with the analysis of class examples.

Micro-teaching (1 credit): according to the standards for technological course, the instructional design and assessment, and technology-based learning environment design, the micro-teaching is carried out in the micro-teaching environment, and the time is not less than one week, and the course should be completed in the first academic year.

- **On-site practice (6 credits)**

Educational trainee (1 credit): students participate in class observation and discussion for a week in middle school. Such activity is at least four times. The relevant instructional design and teaching process should be recorded and learning experience should be written. Education trainee will be completed in the first year.

Educational practice (4 credits): educational practice is arranged in the first semester of the second year. The practice schools are mainly the educational practice base schools for East China Normal University.

Educational research (1 credit): with the help of the supervisor in the school, students carry out study on ICT in education, and a research report or an academic paper should be completed.