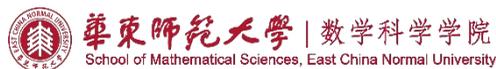




Program Description

East China Normal University (ECNU) is one of the most prestigious universities in China and is sponsored by the national programs “Project 211”, “Project 985” and “Double First-Class”. As the first normal university founded in the country after the founding of the People’s Republic of China, ECNU has been a leading force in the reform and development of teacher education in China. The School of Mathematical Sciences of ECNU is an influential base of mathematics research, talent cultivation, and training of professional mathematics teachers. In recent years, the mathematics discipline ranked top 1% in the world-renowned ESI Ranking. The 14th International Congress on Mathematical Education (ICME-14) was held successfully at ECNU in July 2021, which was the first time that the congress was held in China.



Master of Science (Mathematics Education)

Master of Science

- Points/Credits: 26
- Entry Term: Fall
- Duration: 3 years (range: 2~5 years)
- Medium of Instruction: English

Application Deadline

- June 15 2025

The Master of Science Program in Mathematics Education is suitable for those who wish to later become school mathematics teachers or pursue a doctoral degree in mathematics education. The M.S. degree is an advanced professional degree designed to prepare students for professional careers as elementary and secondary school mathematics teachers. The program of studies for the degree is designed to develop the students’ knowledge of mathematics and education, as well as the teaching of mathematics. The duration of the Master of Science program is 3 years. Students are expected to be awarded the M.S. degree upon satisfactory completion of the required credits. After enrollment, students can choose whether to apply for the IB program or not. If students apply for the IBDP Mathematics Teacher Certificate and fulfilling the corresponding requirements, they are eligible to receive the M.S. degree plus an IB certificate. If not, they can apply for early graduation on the premise of completing the required credits in 2 years.

Application Requirements

Prospective students are expected to have completed a bachelor’s degree in mathematics, mathematics education, or other related fields. For general information about the admission and degree requirements, please refer to the ECNU Global Education Center Bulletin at <http://lxs.ecnu.edu.cn/en/home>



Courses

Students must complete a minimum of 26 credits of graduate courses in mathematics content, mathematics education, general education, and interdisciplinary electives. In particular, students in the IBDP Mathematics Teacher Certificate program should refer to the International Educator Certificate Program brochure for information on additional requirements for the IB certification. All applicants for the M.S. degree must complete a written master dissertation (in English) and pass the dissertation defense.

Topic	Course	Credit
General Core Courses (12 credits)	Chinese Language Learning	2
	Introduction to Chinese Civilization	3
	Discipline and Ethics in Academic Research	1
	Introduction to Modern Mathematics I	3
Mathematics Education Core Courses (6 credits required)	Introduction to Contemporary Research in Mathematics Education	3
	Research on the Psychology of Mathematics Education	3
	Research Methods in Mathematics Education	3
Mathematics Education Elective Courses (4 credits required)	Information and Communication Technology (ICT) in Mathematics Education: Theory and Practice	2
	Research on Mathematics Gifted Education	3
	Mathematics Education Research and Thesis Writing	3
	Mathematical Culture and History	2
	Approaches to Teaching Mathematics Focusing on IB Mathematics*	2
	Academic Writing in Math*	2
Interdisciplinary Electives (2 credits required)	IB Math Content*	2
	Introduction to Modern Mathematics II	3
	IB Curriculum Philosophy*	2
	IB Teaching, Learning and Assessment*	2
General Electives (2 credits required)	IB Seminar*	2
	Others	
Teaching Practicum	Student Teaching in Mathematics	/
Master Dissertation		/
Total		26

Note: * for IBDP Mathematics Teacher Certificate, the applicant needs to fulfill the corresponding requirements; see details: <http://www.gcie.ecnu.edu.cn/b1/cb/c14156a176587/page.htm>.

Faculty



Dr. Bin Xiong is a Professor and Director of the Shanghai Key Laboratory of Pure Mathematics and Mathematical Practice at ECNU, Director of the International Mathematical Olympiad Research Center. He has served as the team leader and the national coach of the Chinese International Mathematical Olympiad team many times. Professor Xiong was awarded the Paul Erdős Prize by the World Federation of National Mathematics Competitions (WFNMC) in 2018. Professor Xiong has also served as Editor-in-Chief of *Mathematics Teaching*.



Dr. Xu Binyan is a Professor and doctoral supervisor at ECNU. She has served as a member of the Executive Committee of the International Committee on Mathematical Instruction; member of the Working Committee of Women Mathematicians of the Chinese Mathematical Society; co-chair of the LOC of the 14th International Congress of Mathematics Education (ICME-14). She has been awarded the title of Outstanding Young Teacher in Shanghai Universities, the Outstanding Returned Youth Fund of the Ministry of Education, and the Humboldt Research Fellow in Germany. Her research interests focus on the students' mathematics core competences assessment and collective work with teachers to design mathematical projects to improve students' engagement in mathematics activities in classroom. She is a key member for developing mathematics textbooks and teaching materials in Shanghai.



Other core faculty

Dr. Meng Zhu, Professor and Assistant Dean
 Dr. Di Liu, Professor
 Dr. Pan Liu, Associate Professor
 Dr. Xiaoli Lu, Associate Professor
 Dr. Zhenhua Qu, Associate Professor
 Dr. Yinkang Wu, Associate Professor
 Dr. Jing Cheng, Associate Professor
 Dr. Shuhui Li, Associate Professor
 Dr. Yuchi Wu, Associate Professor
 Dr. Yan Zhu, Associate Professor
 For more information, please visit:
http://math.ecnu.edu.cn/en/faculty_ord.html.



IBDP Mathematics Teacher Certificate Program

For more details about the ECNU Graduate Certificate of International Education (IBDP) program, please visit <http://www.gcie.ecnu.edu.cn/>.

Scholarship

International students may apply for the Chinese Government and Shanghai Government Scholarship.
 For details, visit: <http://lxs.ecnu.edu.cn/en/home>.

Contact Us

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