



信息科学与技术学院
SCHOOL OF INFORMATION SCIENCE AND TECHNOLOGY

Master Degree Program of Electronic Information

Why Choose the Master Degree Program of Electronic Information

The field of electronic information is at the forefront of modern technology, including telecommunications, IoT, AI, robotics, and more. As industries continue to digitize, there is a growing demand for professionals with advanced knowledge in these areas. Electronic Information is a multidisciplinary field that combines elements of electrical engineering, computer science, and information technology. This broad scope allows you to explore diverse areas such as signal processing, embedded systems, wireless communication, and data analysis.

The two-and-a-half-year Master's degree program with English as the medium of instruction is designed to offer flexibility to specialize in areas like AI, machine learning, or cyber security, aligning with your interests and career aspirations.

What Will You Learn

- Expand your knowledge in programming, data structure, algorithm analysis and design, deep learning and neural network, etc
- Skills for writing research papers, technical reports, and documentation
- Conduct original research with faculty mentors and present at national conferences
- Have the ability to independently undertake specialized technical work of planning, design, implementation, research, development, management, and maintenance using advanced engineering methods, technologies, and tools
- Build a professional network and secure internship opportunities in several industries.
- Participate in various competitions such as China International College Students' 'Internet+' Innovation and Entrepreneurship Competition, etc.

About School of Information Science and Technology (SIST)

School of Information Science and Technology (SIST) was founded in 1992, featuring quality teaching and scientific research. SIST is located in the Cangqian Campus of Hangzhou Normal University in Hangzhou Future Sci-tech City, with numerous Unicorn enterprises and high-tech companies surrounded and one block away from Headquarter of Alibaba Group. As a place of discovery, creativity, and innovation, SIST has been listed among the first batch of Reform Pilot Units concerning cultivation of service outsourcing talents, and the first batch of Pilot Demonstration Colleges and Universities in Zhejiang Province concerning cultivation of application-oriented talents. SIST adheres to the path of deep cooperation between schools and enterprises, close integration of government, industry, academia, research, and application, and cultivates interdisciplinary IT senior talents with humanistic literacy, professional skills, international perspective, and innovative thinking, preparing for leadership in the rapidly changing world.

Research Areas

- 1.Data science and big data technology
- 2.Virtual reality and human-computer interaction
- 3.Intelligent processing of graphic images

Core Courses

Python Programming, Advanced Data Structure, Advanced Algorithm Analysis and Design,, Advanced Web Application Development, Deep Learning and Neural Network.

Length of Schooling	Degree	Graduation Requirements
2.5 years, with a maximum duration of 4.5 years	A Master Degree of Electronic Information	1.The Graduation Credits: 41 2 Pass HSK (Level 3) with a minimum score of 180

Career Prospects

A Master's degree in Electronic Information opens doors to diverse and high-demand career paths in both established and emerging industries. With the specialized skills,

graduates can expect strong job prospects, competitive salaries, and opportunities for innovation and leadership. Many students have obtained job offers from enterprises in global 500 list such as IBM, State Street Corporation, Accenture, Infosys, Siemens and Alibaba Group, Huawei, as well as local enterprises such as NetEase, Hikvision, Dahua Technology, Insigma and Straight Flush.

Graduates with this degree are equipped with advanced knowledge and skills in areas such as telecommunications, signal processing, embedded systems, artificial intelligence, and the Internet of Things (IoT). They will have the chance of working with telecom companies, network service providers, or tech firms on designing, optimizing, and maintaining communication systems, including 5G networks, satellite communications, and wireless technologies. They could also participate in developing AI-driven solutions for industries like healthcare, finance, autonomous vehicles, and robotics, work on algorithms, neural networks, and intelligent systems, and design and develop smart devices, IoT systems, and embedded solutions for sectors including consumer electronics, automotive, and industrial automation. Additionally, they can work in academic institutions, government labs, or private R&D departments, innovating and developing cutting-edge technologies in electronics and information systems.

Contact

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