

Master's in Electronic Information Instrument Science & Technology

As the sole branch campus of Tsinghua University, the Shenzhen International Graduate School (SIGS) serves as Tsinghua's scientific research and graduate education platform in southern China. It is committed to continuing Tsinghua's academic legacy and promoting scientific innovation. Launched on 29 March 2019, Tsinghua SIGS is a collaboration between Tsinghua University and the Shenzhen Municipal Government that builds on the strengths and experiences of the Graduate School at Shenzhen (GSST) and the Tsinghua-Berkeley Shenzhen Institute (TBSI). It aims to bring together world-class faculty and students, tackle global challenges through cutting edge research and international collaboration, and nurture the next generation of global leaders by creating an International, Borderless, and Entrepreneurial learning environment.

The Electronic Information (Instrument Science & Technology) master's program is open to undergraduates of science and engineering majors, which include instrument, mechanical, electronic, information, automation, optical and biomedical engineering and related fields. Research directions of the program include analytical instrument technology, micro-nano processing technology, flexible sensors and actuators, optical precision measurement, optical system design and implementation (lighting, imaging, display), plant factory, information processing in instrument science and other basic and applied research.

The program has excellent faculty and scientific research conditions. There are eleven teachers with education or research backgrounds in leading universities. In recent years, teachers have undertaken more than 100 projects, such as National High-tech R&D Program (863 Program), National Key R&D Program of China, National Natural Science Foundation of China, Fundamental Research Program of Shenzhen, and projects entrusted by enterprises and institutions.

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