



"The Belt and Road" Satellite Navigation and Remote Sensing Program

Master of Engineering for International Students

1. Program Introduction

Shanghai Jiao Tong University (SJTU), as one of the higher education institutions which enjoy a long history and a world-renowned reputation in China, is now a comprehensive, research-oriented, and internationalized top university in China. School of Electronic Information and Electrical Engineering (SEIEE), as the largest engineering school in SJTU, owns abundant resources of more than 700 faculty and staff, and more than 7,500 students.

SJTU "The Belt and Road" (B&R) Satellite Navigation and Remote Sensing Program, aiming at serving China "B&R" cooperative development strategy, is a master of engineering program for international students in the School of Electronic Information and Electrical Engineering (SEIEE).

Supported by "Shanghai Key Laboratory of Navigation and Location-based Services", and "Shanghai Key Laboratory of Intelligent Sensing and Recognition", the program is managed by the Academy of Information Technology and Electrical Engineering(AITEE), and cooperate with industry in national satellite navigation and remote sensing fields.

2. Program Mission

The program cultivates high level talents with comprehensive qualities, practical capability and innovative engineering capability in the information technology field of Navigation and Remote sensing.

3. Enrollment Scale

This program recruits non-Chinese citizens with bachelor degree or equivalent degree certificates.

Normally 40-50 students for one year.

4. Tuition and Studying Length

Studying Length: Generally two years, 3.5 years as the maximum

Tuition: RMB 72,250 for whole program

BeiDou Navigation Satellite System is China's global navigation satellite system which has been developed independently. The system's target is to offer global service, thereby accelerate the foundation of navigation satellite industrial chain, consummating the sustaining extending and guaranteeing system, expanding the range of application in the economic and social sector.



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5. Curriculum Requirement

Generally all the courses need to be completed in first year.

Module	Course Name	Credits	Teaching Language	Remarks
General Compulsory Course (12 Credits in Total)	Chinese Language	2	English	Compulsory
	Chinese Culture	2	English	Compulsory
	Academic English	2	English	Compulsory
	Matrix Theory	3	English	Compulsory
	Calculating Method	3	English	Compulsory
Core Courses (8 Credits in Total)	Navigation Technology	3	English	Compulsory
	Geographic Information System and Its Application	2	English	Compulsory
	Remote Sensing Information Processing	3	English	Compulsory
Elective Courses (8 Credits required at least)	Modern Signal Processing	3	English	Elective
	Digital Image Processing	3	English	Elective
	Array Signal Processing and Space-Time Signal Processing	3	English	Elective
	Information Fusion	2	English	Elective
	Machine Learning - Fundamental and Practice	3	English	Elective

6. Practical Internship and Master Thesis Requirement

Students shall go to enterprises to do half-year to one-year practical internship, with its content related to final thesis. Internship stations are arranged by program organizing institute.

Students shall actively join projects undertaken by supervisors, choose topics with application importance, and meet the master thesis requirement.

7. Scholarship

- International Students Scholarship: <http://isc.sjtu.edu.cn>
- Specific Beidou B&R Scholarship, please contact the program coordinator.



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