

Physical Oceanography

The State Key Laboratory of Estuarine and Coastal Research (SKLEC) is originated from the Estuarine Research Institute established in 1957. SKLEC has been strongly involved in providing solutions to resolve theoretical and practical problems encountered in the very diverse and large-scale coastal developments in China, such as the first national comprehensive survey on coastal resources, the construction of harbors and ports, channel regulations, the restoration of coastal wetlands and the implementation of engineering structures. While serving the national needs, SKLEC continues to promote the development of Earth Sciences, with increasing influence home and abroad. SKLEC not only contributes to solve the sustainable development problems in China, but also provides the support for the global estuarine and coastal regions. Over the last decades, SKLEC has adopted and promoted an atmosphere of being “Open to Collaboration, Exchange of Experience, Unity in Performance and Open to Competition”. This has been and will continue to be the basis of SKLEC.

Physical oceanography has a relatively solid research foundation and accumulation in East China Normal University, from the 1960s and 1970s serving the study of estuarine coastal sedimentary geomorphology, to the last 20 years focusing on estuarine-offshore dynamical processes, estuarine coastal zone disaster prediction and early warning technology, estuarine-offshore observation and numerical simulation, and other research and a series of innovative results. Innovative results have been achieved. In recent years, the main training direction has been centered on offshore dynamical processes, estuarine coastal zone and offshore disaster prediction and early warning technology, as well as ocean remote sensing and inversion technology, automatic monitoring systems for currents, waves, tides, temperature and salinity, etc., the development and application of numerical integrated models of the ocean, and the assimilation of oceanographic data and its application.

Campus	Minhang Campus	Degree	Master's Degree in Science
Length (year)	3 Years	Tuition	28000RMB/Year
Instruction Language	English / Chinese	Application Language Requirement	Chinese -taught Programs: HSK5 级 \geq 180 English-taught Programs: IELTS \geq 6.0 / TOEFL \geq 80 / Cambridge English \geq B2
Classes Open to International Students Only		NO	
Graduation Requirement	Complete the required credit courses and pass the thesis defense		

Major Courses

Primarily engaged in scientific research and teaching in higher education institutions, research organizations, etc., as well as relevant policy formulation and analysis work in government departments.

After Graduation

Primarily engaged in scientific research and teaching in higher education institutions, research organizations, etc., as well as relevant policy formulation and analysis work in government departments.

Scholarship

Chinese Government Scholarship

Shanghai Government Scholarship

Application Contact

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