



Ocean College, Zhejiang University Admission Brochure



Welcome from the Dean

Thank you for your interest in Ocean College, Zhejiang University. We offer undergraduate, postgraduate and doctoral education programs as well as undertaking high quality research on important ocean engineering and marine sciences challenges. Zhoushan Archipelagoes is an excellent place to study ocean as one of China's leading port cities.

As the old Chinese saying goes, 'ocean embraces all streams'. Ocean College shares the same position with its expanding layout of disciplines and its social commitment to care for the individual and the society. By vigorously pressing ahead with competition and innovation, Ocean College devotes to achieving a rapid and sustainable development.

If you are interested in studying for a degree at Ocean College, the staff and your fellow students will, I am sure, make your stay both enriching and enjoyable. You have made the decisions and taken the initiative, but you can be assured that we will always be available to give you our advice and support. In education our goal is to produce graduates who have a balance of Competence, Confidence and Communication Skills – the 3C education approach. Our academic staff ensure that their teaching is kept relevant and up-to-date through their engagement in leading edge research, much of it linked directly to industries. This means that you will not only acquire knowledge but also develop the skills that will be useful through your career.

Welcome to Ocean College, Zhejiang University! I am sure you will enjoy studying at university and we wish you the best of luck.

Professor Lizhong Wang

Dean of Ocean College



Introduction of Zhejiang University

Located in the historical and picturesque city of Hangzhou, Zhejiang University is a comprehensive research university with distinctive features and a national as well as international impact. Research at Zhejiang University with seven campuses spans 12 academic disciplines, covering philosophy, economics, law, education, literature, history, art, science, engineering, agriculture, medicine, management and etc.



With 7 faculties and 36 colleges/schools/department, 1 polytechnic Institute, Zhejiang University has 14 primary and 21 secondary national leading academic disciplines. As of Dec. 2016, there are a total of 48,762 students and about 6,237 international students attending at Zhejiang University. In her 120 years of history, Zhejiang University has always been committed to cultivating talent with excellence, advancing science and technology, serving for social development, and promoting culture, with the spirit best manifested in the university motto “Seeking the Truth and Pioneering New Trails”.

Internationalized Education in Ocean College



One Belt and One Road

Currently, with the maximum number of international students among all the engineering colleges of ZJU, Ocean College has enrolled 69 international postgraduate in total up to Dec. 2017. For the present, there are 63 international postgraduates, including 32 full-time Master students and 31 full-time Ph.D. students. Along with the increasing international influence, we have oversea students from 21 nationalities. In response to the "One Belt and One Road" (B&R) development concept of China, the international students are primarily from B&R countries, such as Pakistan, Sri Lanka, Egypt, Indonesia, the Philippines, Myanmar, Cambodia, etc. Staunchly, Ocean College adheres to the internalized education all the time, aims to disseminate Chinese culture through strengthening the perception of China, and promotes the construction of "Knowing China and Loving China" training system



Internationalized Education in Ocean College

We are introducing the first class curriculum system, textbooks from our international partner universities and some of the core undergraduate courses are taught by foreign professors. The students could enjoy the original and global education resources.

We have developed collaborative partnerships with more than 10 foreign universities and research institutes, such as University of Rhode Island, University of Hawaii, Delft University of Technology, CSIRO(Australia), University of Western Australia, Institute of Technology Bundung.



Programme

Currently, Ocean College comprises a family of 1506 students and 110 faculty members, among which 28 are professors and 38 associate professors. We have established 4 undergraduate programs, 2 postgraduate/Ph.D. programs.

4 Undergraduate programs:

- Ocean Engineering and Technology
- Port, Waterway and Offshore Engineering
- Marine Science
- Naval Architecture and Ocean Engineering

2 Postgraduate/Ph.D. programs:

- Marine Science
 - 1) Physical Oceanography
 - 2) Marine Chemistry
 - 3) Marine Biology
 - 4) Marine Pharmacology
 - 5) Marine Geology
- Ocean Engineering
 - 1) Marine Information Technology
 - 2) Marine Technology and Equipment
 - 3) Design and Construction of Ships and Marine Structure
 - 4) Coastal and Offshore Engineering



Course Components

Ph.D. program course requirements: 12 credits

- Generic course modules : 4 credits
- Introductory course modules: 4 credits
- Major course modules: 4 credits

MSC program course requirements: 24 credits

- Generic course modules : 6 credits
- Introductory course modules: 8 credits
- Major course modules: 10 credits



Instructional modules for international students to be taught in English

Type	Name	Credit	Remark
Generic Course Modules	Introduction course	1	Compulsory for all students
	Chinese	2	
	Introduction of China	2-3	
Introductory Course Modules	Introduction of Marine Sciences	2	8 credits for MSC; 4 credits (at least) for Ph.D.
	Introduction of Ocean Engineering	2	
	Description of Physics Oceanography	2	
	Document Retrieval, Literature Review and Scientific Reading and Writing	2	
Marine Sciences Major Course Modules	Fundamentals of Marine Biology	2	10 credits (at least) for MSC; 8 credits (at least) for Ph.D.
	Fundamentals of Marine Geology	2	
	Fundamentals of Marine Pharmacology	2	
	Fundamentals of Marine Chemistry	2	
	Experimental Methods and Practice of Marine Sciences	2	
Ocean Engineering Major Course Modules	Fundamentals of Marine Information	2	
	Fundamentals of Ocean Engineering	2	
	Coastal Dynamics	2	
	Ocean Observation Technology	2	
	Experimental Methods and Practice of Ocean Engineering	2	



Admission

Admission to the postgraduate and Ph.D. programs is both rigorous and competitive. Ocean College particularly welcomes applications from students with marine studies background. Students need to demonstrate an eagerness to engage in the discipline of marine-related subjects and to show a strong command of the English language.

Requirements for candidates applying for admission

1. For postgraduate programs, Bachelor Degree Certificate must be original documents or notarized copies. If applicants are university students, they must also provide an official pre-graduation certificate showing their student status and stating expected graduation date.
2. For Ph.D. programs, Master Degree Certificate must be original documents or notarized copies. If applicants are university students, they must also provide an official pre-graduation certificate showing their student status and stating expected graduation date.
3. Satisfy English language proficiency requirements. Applicants (except for English native speakers) must have an internet-based TOEFL test score 90 or IELTS test score 6.5 (or above).
4. Letters of recommendation are required; at least two letters should be sent. Both soft and hard copies are acceptable.

Scholarship Application

Various scholarships to fully or partly cover both tuition fees and allowances are available for international students to apply, including Chinese Government Scholarship, Zhejiang University Scholarship, Marine Scholarship of China, Zhejiang University Scholarship-Two-High Doctoral Program, etc. Why not try to apply them and get a step closer to your dream?

These scholarships may vary yearly. To get well informed and find more details, you are encouraged to go to International College of Zhejiang University and visit the website: <http://iczu.zju.edu.cn/english/>

Apart from the scholarships above, Ocean College would also set up scholarships to reward international students with excellent performance. For more information, please go to our website: <http://oc.zju.edu.cn/lxspy/>

SET SAIL, NAVIGATE IN THE OCEAN OF KNOWLEDGE AND SUCCESS IS ON THE OTHER SIDE!

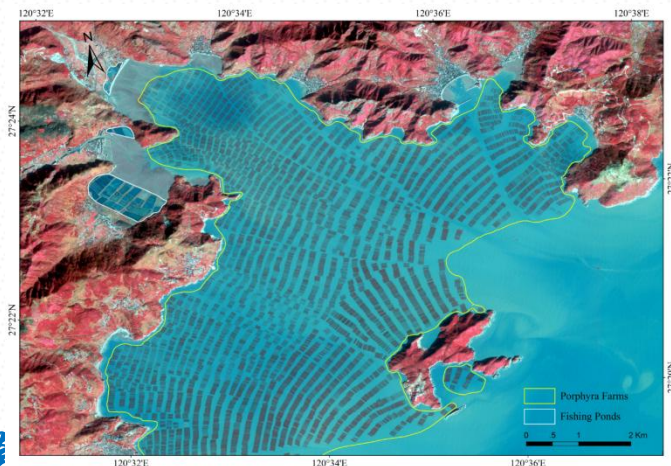
Research Directions

Marine Sciences: air-sea interaction and mixing, ocean dynamics and ecosystem in continental shelf seas, marine chemistry and environment, marine geology and geophysics, marine biology, marine natural products coastal environment/ecosystems and global changes, marine disaster risk assessment and management, et al.

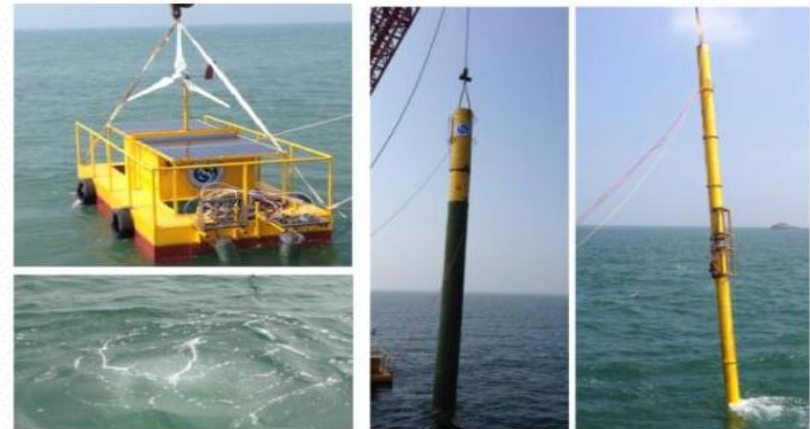
Ocean Engineering: ocean observation and exploration technology, Ocean opto-electronic sensing technology, ocean renewable energy technology, Port, waterway and sediment, offshore dynamic environment, naval architecture, underwater engineering, hydrodynamics in ship and ocean engineering, marine sensing and information collection, marine information transmission and networking, signal processing algorithms and systems, marine electronics and systems, marine robots, et al.

The detailed contacts of supervisors are available on our website: <http://oc.zju.edu.cn/lxspy/>. You are welcomed to contact them and acquire more information. It is believed that their cutting-edge knowledge, fascinating ideas and sophisticated expertise in specific fields would facilitate your learning in Ocean College.

Porphyra Farm from Satellite View 8 Coarser



Artificial Upwelling Test in China East Sea



The World-Class Experimental Facilities

Large-scale Wave-Tide-Sediment Coastal Engineering Basin

The basin is 70m in length, 40m in width, and 1.5m in depth and equipped with 3D wave generator, tidal generation pipes, sediment supply system, data recording device and measuring system, and state-of-the-art automatic control system.



Double Six-Degree of Freedom (6-DOF) Simulation Experiment Platforms

They are designed to simulate 6-DOF motions of ships and offshore platforms under the combined action of wind, waves and currents.



Photo Gallery

With the first-class living facilities, different social activities have been organized to enrich students' campus life.



Library Building



Sports Ground



Swimming Pool



Library



The Lobby of Student Dormitory



Opening Ceremony in 2017



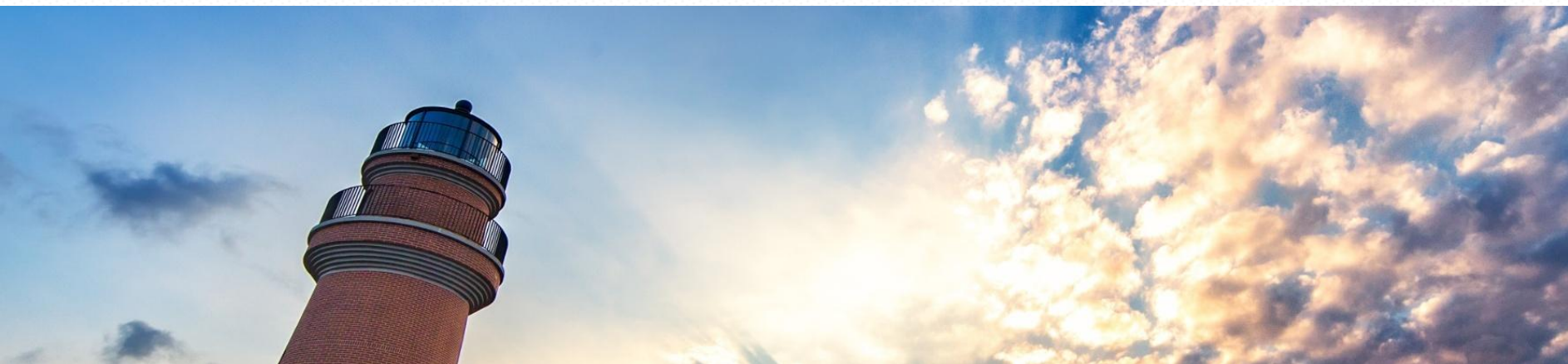
Badminton Match



APEC Conference



Traditional Food Exhibition



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