



A Brief Introduction:

The School of Naval Architecture, Ocean and Civil Engineering (NAOCE) was founded on December 17, 2003, by the merge of School of Naval Architecture and Ocean Engineering (NAOE) and School of Civil Engineering and Mechanics (CE&M).

There are four departments in the school of NAOCE:

- > Naval Architecture and Ocean Engineering
- > Engineering Mechanics
- > Civil Engineering
- > Transportation Engineering

NAOCE is accredited to provide the following degree programs :

Program Names	Master	Ph.D.
Naval Architecture and Ocean Engineering	√	√
Engineering Mechanics	√	√
Civil Engineering	√	√
Transportation Engineering	√	

Shanghai Ranking's Global Ranking of Academic Subjects
Naval Architecture and Ocean Engineering 1

2017 QS World University Rankings by Subject
Civil Engineering 32

School of Naval Architecture, Ocean and Civil Engineering (NAOCE)

Research Areas

Naval Architecture and Ocean Engineering	Design and Construction of Naval Architecture and Ocean Structures
	Marine Engine Engineering
	Port and Water Conservancy Engineering
	Acoustics Engineering
Mechanics	General and Fundamental Mechanic
	Solid Mechanics
	Hydrodynamics
	Engineering Mechanics
Civil Engineering	Geotechnical Engineering
	Structural Engineering
	Disaster-Prevention, Reduction Engineering and Protection Engineering
	Bridge and Tunnel Engineering
	Municipal Engineering
Transportation Engineering	Transportation Planning and Management
	Traffic Information Engineering and Control

Over the years, the school of NAOCE has been undertaking many important research programs of the country, such as “973 Project”, “863 project”, national natural science foundation programs, and so on. Besides, the school also carries on a lot of cooperative projects with famous enterprises around the world.

Since the year 1979, our research achievements have covered key technology of Naval Architecture and Ocean Engineering, Engineering Mechanics, Civil Engineering, and Transportation Engineering, 3000-metre-deep underwater equipment, Marine mineral resources development and ocean engineering equipment.

Faculty

Staff & Faculties	395
Full Time Faculty	206
Professors	84
Associate Professors	87
CAS&CAE Academicians	6
1000 Plan Talents	8
Yangtze Scholars	3
Youth 1000 Plan Talents, NSFC Young Scholars, etc.	8

Platforms for Scientific Innovation

National Laboratory of Naval Architecture & Ocean Engineering
State Key Laboratory of Ocean Engineering
National Large-scale Scientific Facility Center of Deepwater Technology Experiments
MOE Key Laboratory of Hydrodynamics
Experimental Center of Engineering Mechanics
Experimental Center of Civil Engineering and Architecture

Membership in International Academic Societies

International Towing Tank Conference (ITTC)
International Ship and Offshore Structures Congress (ISSC)
International Society of Offshore and Polar Engineers (ISOPE)
Offshore Mechanics and Arctic Engineering (OMAE)
International Marine Technology Society (MTS)
International Underwater Technology Society (UTS)
World Federation of Engineering Organizations (WFEO)
Pacific and Asia Offshore Mechanics Symposium (PACOMS)
International Conference on Hydrodynamics (ICHHD)
The Asia-Pacific Plasticity Commission

General Information:

http://naoce.sjtu.edu.cn/en/content.aspx?info_lb=119&flag=7

Courses Taught in English

NO.	Semester	Courses Offered in English
1	2018 Spring	Sustainable Construction
2	2018 Spring	Computational Structural Mechanics
3	2018 Spring	Conceptual Design of Structures
4	2018 Spring	Principle of Geotechnical Engineering
5	2018 Spring	Computational Fluid Mechanics
6	2018 Spring	Applied Sedimentation Mechanics and Waterway Regulation in Estuaries
7	2018 Spring	Physical modelling theory and applications in coastal engineering
8	2018 Spring	Transport Economics
9	2018 Spring	Advanced Structural Dynamics And Applications
10	2018 Spring	English for Academic Purposes
11	2018 Spring	Environmental Data Analysis
12	2018 Spring	Potential theory of ship motion in waves
13	2018 Spring	Ship Manoeuvrability
14	2018 Spring	Ocean Turbulence
15	2018 Spring	Theoretical and numerical methods for marine propulsors
16	2018 Spring	Numerical Model
17	2018 Spring	Transportation Infrastructure Construction and Management System
18	2018 Spring	Fracture Mechanics
19	2018 Spring	Mechanical Behavior of Materials
20	2018 Spring	Variational Theory and Finite Element Method
21	2018 Summer	Finite Element Analysis of Solids and Fluids
22	2018 Fall	Introduction of Turbulence
23	2018 Fall	Water Wave Dynamics
24	2018 Fall	Advanced Theory of Concrete Structures
25	2018 Fall	The State-of-the-practice of Foundation Engineering
26	2018 Fall	Disaster Prevention and Mitigation in Civil Engineering
27	2018 Fall	Advanced Rock Mechanics
28	2018 Fall	Spatial Braced and Dome Structures
29	2018 Fall	Soft Ground Improvement
30	2018 Fall	English for Academic Purposes
31	2018 Fall	Estuary and Coastal Dynamics
32	2018 Fall	Sediment Dynamics
33	2018 Fall	Transportation Engineering Theory and Method
34	2018 Fall	Elastici-Plastic Mechanics

Contact

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