



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 five departments in the school of NAOCE:

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

Shanghai Ranking's Global Ranking of Academic Subjects

Naval Architecture and Ocean Engineering	1
Engineering Mechanics	8
Transportation Engineering	26

2017 QS World University Rankings by Subject

Civil Engineering	32
Architecture	51-100

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 Mechanics
	Solid Mechanics
	Hydrodynamics
	Engineering Mechanics
Civil Engineering	Geotechnical Engineering
	Structural Engineering
	Disaster-Prevention, Reduction Engineering and Protection Engineering
	Bridge and Tunnel Engineering
	Municipal Engineering
Architecture	Architectural Design and Theory
	Architectural History, Theory and Historical Building Protection
	Building Science and Technology
	Urban Study and Design
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, Architecture, 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	Spring	Man and building environment
2	Spring	Parametric Design and Digital Fabrication
3	Spring	Study on Chinese contemporary architectural design practice
4	Spring	Simulation Technology on Built Environment
5	Spring	Estuary and Environmental Fluid Dynamics
6	Spring	Sustainable Construction
7	Spring	Computational Structural Mechanics
8	Spring	Built Environment
9	Spring	Computational Fluid Mechanics
10	Spring	Physical modelling theory and applications in coastal engineering
11	Spring	Spatial Narrative and Experience
13	Spring	Transport Economics
14	Spring	Advanced Structural Dynamics And Applications
15	Spring	Special Building Materials
16	Spring	English for Academic Purposes
17	Spring	Environmental Data Analysis
18	Spring	Pontential theory of ship motion in waves
19	Spring	Ship Manoeuvrability
20	Spring	Theoretical and numerical methods for marine propulsors
21	Spring	Ocean Turbulence
22	Spring	Numerical Model
23	Spring	Environmental Behavior Theory
24	Spring	Transportation Infrastructure Construction and Management System
25	Spring	Logistics Theory and Technology
26	Spring	Modern Technology on Building
27	Spring	Design and Research
28	Spring	Fracture Mechanics
29	Spring	Mechanical Behavior of Materials
30	Spring	Variational Theory and Finite Element Method
31	Fall	Introduction of Turbulence
32	Fall	Water Wave Dynamics
33	Fall	The State-of-the-practice of Foundation Engineering
34	Fall	Disaster Prevention and Mitigation in Civil Engineering
35	Fall	City and Architectural Programming
36	Fall	Urban Sociology, Economics and Geography
37	Fall	Hydrodynamics
38	Fall	Advanced Rock Mechanics
39	Fall	Spatial Braced and Dome Structures
40	Fall	Soft Ground Improvement
41	Fall	English for Academic Purposes
42	Fall	Modern Ship Structural Design
43	Fall	Traffic Environment Engineering
44	Fall	Estuary and Coastal Dynamics
45	Fall	Sediment Dynamics
46	Fall	Building Energy Efficiency Theory and Technology
47	Fall	Transportation Engineering Theory and Method
48	Fall	Elastici-Plastic Mechanics

Contact

Yi GAO (Ms.)
International Program Coordinator,
School of Naval Architecture, Ocean and Civil Engineering

Phone: +86-21-34206194
E-mail: iac.naoce@sjtu.edu.cn
Address: 800 Dongchuan Rd., Minhang District, 200240, Shanghai, China
Website: <http://naoce.sjtu.edu.cn/en/>