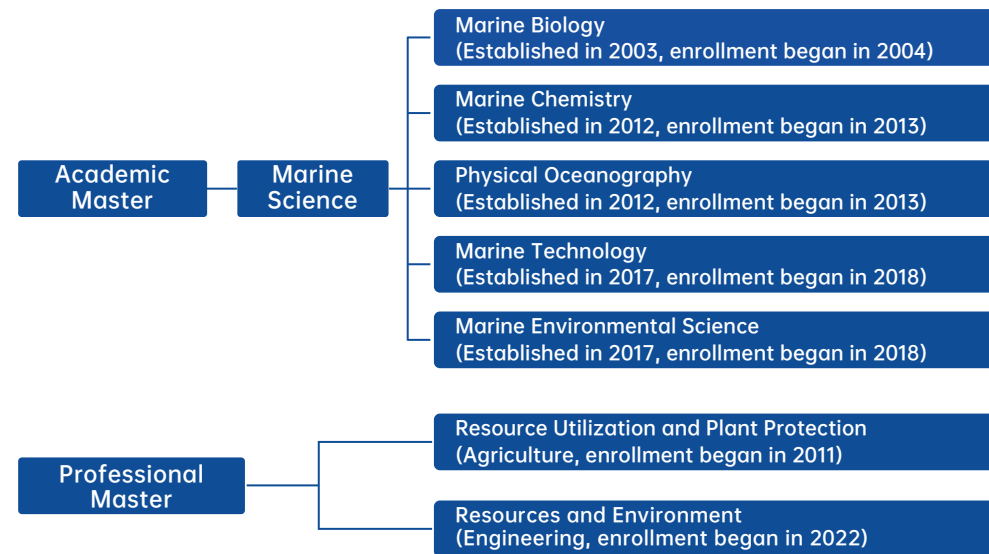


## Discipline Construction

The School of Marine Science and Environment Engineering currently possesses an academic Master's degree authorization point for the first-level discipline of Marine Science, which includes five second-level discipline directions: Marine Biology, Physical Oceanography, Marine Technology, Marine Environmental Science, and Marine Chemistry.

Two professional Master's degree authorization points: Resources and Environment, Resource Utilization and Plant Protection.



## Research Awards

### • Received 14 provincial/ministerial-level teaching and research awards in the past five years.

- In 2025: Second Prize for Technological Innovation, Science and Technology Award of the 5th China Society for the Promotion of Science and Technology Commercialization
- In 2025: First Prize, Liaoning Provincial Natural Resources Science and Technology Award
- In 2025: First Prize, 7th Fan Li Science and Technology Award of China Society of Fisheries
- In 2022: Second Prize, Science and Technology Award of the Ministry of Natural Resources
- In 2021: First Prize, Dalian Municipal Natural Science and Technology Award
- In 2021: Second Prize for Natural Sciences, Higher Education Institutions Outstanding Achievement Award (Science and Technology) of the Ministry of Education



## DALIAN OCEAN UNIVERSITY



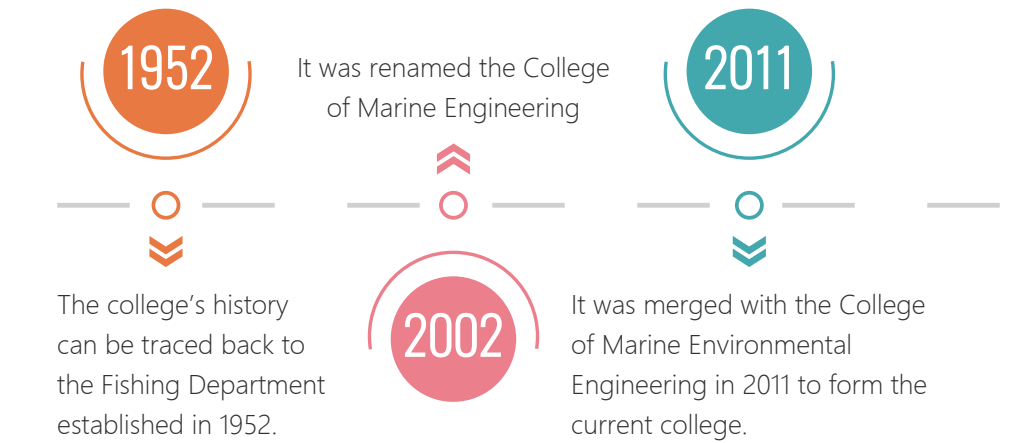
Address: No.2-52, Heishijiao Street, Shahekou District, Dalian, Liaoning Province, China  
 Postal Code: 116023  
 Email: [iecd@dlo.u.edu.cn](mailto:iecd@dlo.u.edu.cn) [haihuan@dlo.u.edu.cn](mailto:haihuan@dlo.u.edu.cn)  
 Tel : +86-411-84763067  
 Fax: +86-411-84762681  
<http://en.dlo.u.edu.cn/>

## 海洋科技与环境学院

School of Marine Science and Environment Engineering

## Development Evolution

The School of Marine Science and Environment Engineering is a core characteristic college established by Dalian Ocean University in response to the national maritime power strategy. It is also a crucial base for marine and fisheries disciplines in teaching and scientific research at the university.



## Construction Effectiveness

- The college currently has 99 faculty and staff members
- 86 full-time teachers
- The talent team includes 1 recipient of the National Science Fund for Distinguished Young Scholars
- 1 individual at the ten-thousand level of the National Hundred-Thousand-Ten Thousand Talent Project
- 1 recipient of the National Science Fund for Excellent Young Scholars
- 2 individuals under the National Special Support Program for High-Level Talents
- 2 experts receiving special government allowances from the State Council
- 1 chief scientist of the Ministry of Agriculture and Rural Affairs Shellfish Industry Technology System
- 1 post expert of the Ministry of Agriculture and Rural Affairs Industry Technology System
- 1 Outstanding Agricultural Research Talent of the Ministry of Agriculture
- 1 chief scientist of a 973 Program project
- 1 chief scientist of an 863 Program project
- 2 scientists listed in the global top 2% scientists list
- 27 provincial-level outstanding talents such as Liaoning Distinguished Professors, "Xing Liao Ying Cai" talents, and excellent experts

# Discipline Construction

The college offers 5 undergraduate majors: Marine Science, Marine Technology, Marine Resources and Environment, Environmental Engineering, and Applied Physics. Among them, the Marine Science major is a National First-Class Major Construction Site, while Marine Technology and Applied Physics are Provincial First-Class Major Construction Sites. The college has established a "Blue Talents Class" to select outstanding freshmen for specialized cultivation. It has built 2 provincial-level teaching experiment centers, 2 university-level teaching experiment platforms, and signed agreements for 32 undergraduate practice teaching bases, comprehensively supporting the cultivation of students' innovation and practical abilities.

The college possesses an academic master's degree authorization first-level discipline in Marine Science, as well as 2 professional master's degree authorization points in Resource Utilization and Plant Protection, and Resources and Environment. The college closely focuses on the characteristics of the Yellow Sea and Bohai Sea region, concentrating on three major directions: marine resources, environment, and ecology. It conducts basic and applied research, committed to serving the maritime power strategy, the "Belt and Road" initiative, and the Northeast Revitalization strategy, gradually forming a discipline system with complete research directions, a rational echelon structure, and collaborative development of industry, academia, and research.

15	1	10
Scientific research platforms at the provincial/municipal level or above	National-level platform (the Sub-center of the National Marine Science Data Center)	Provincial-level platforms
31	3800 million RMB	9
National-level projects	A total contract funding exceeding	It has won 9 provincial/ministerial level or above science and technology awards
436	49	12
Papers	Authorized patents	College faculty have participated in formulating 12 industry standards



The industry standard "Technical specification for construction of ecological engineering of Suaeda salsa in estuarine tidal wetland (HY/T 0467-2024)" has been officially released.

# College Showcase

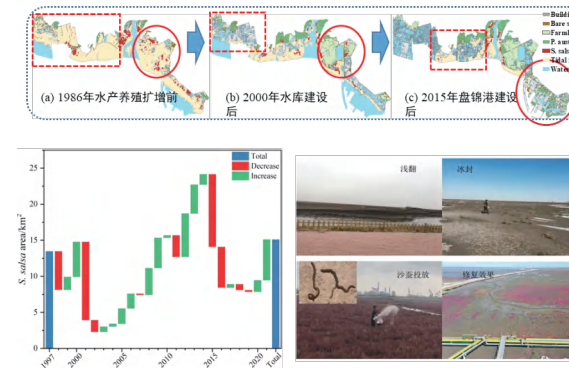
In 2021, the college received support from the National Development and Reform Commission to build the "Northern Marine Data Application Engineering Center", making it a national-level marine data center with the functions of a professional marine practice and training base. This strengthened the construction level of the Dalian Sub-center of the National Marine Science Data Center, achieving the technical capability to provide highly reliable and refined marine environmental information consultation and comprehensive application services for maritime activities in China's offshore areas and along the Maritime Silk Road and the Polar Silk Road.



From 2022 to 2025, the college has continuously undertaken the early warning and monitoring tasks for typical marine ecosystems commissioned by the Dalian Marine Development Bureau, comprehensively identifying the distribution areas of 8 typical ecosystems in Dalian and conducting early warning monitoring. Monitoring results indicate that the marine ecological status of Dalian is generally stable, with a stable and improving changing trends of typical ecosystems. The conditions of seagrass beds, salt marsh wetlands, and bay ecosystems are mainly good to excellent. Marine ecological disasters have not caused significant harm, but marine ecological problems such as coastal erosion still exist. By constructing a scientific monitoring system, it provides key technical support and top-level design basis for Dalian's coastal zone protection and restoration projects, effectively serving local marine disaster prevention and reduction, ecological management, and sustainable development, demonstrating its scientific research support capability and social service contribution in the field of marine environmental monitoring and early warning.



Supported by 3 National Natural Science Foundation of China projects and key research and development program projects, faculty of the college have completed innovative achievements in the analysis and restoration technology of Suaeda salsa habitat in the Liaohe River Estuary wetland. After the implementation of the restoration technology, the seed colonization effect was significant, and the wetland vegetation area increased substantially.



The college actively conducts academic exchanges, having organized 5 international and domestic academic conferences, including the 11th South China Sea Annual Meeting in 2024. It has held 32 sessions of the "Marine Forum" lecture series, benefiting over a thousand teachers and students. The college has long-term student exchange programs with several universities in Japan, Russia, South Korea, etc. It has successively sent over 100 individuals abroad for further study and to participate in international seminars. It maintains academic exchanges with multiple universities and research institutions in Sweden, France, the United States, Japan, and Germany, and has established friendly cooperative relationships with over 10 overseas universities.

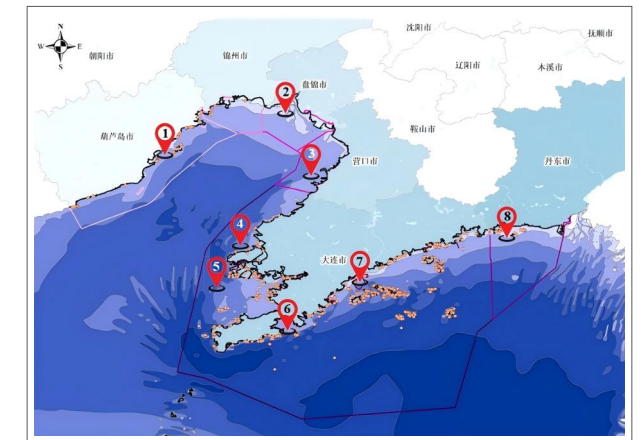


Student cultivation achievements are significant, with nearly 100 awards won in various science and technology competitions, patents, papers, etc., in recent years. The college advocates a study style of "rigorous scholarship, diligence in thinking, and striving for progress". It has several student organizations such as the "Green Harbor Environmental Protection Association" and the "Azure Ocean Club", and has created characteristic brand activities like the "Ocean Around Me" popular science project and the "Red-Green-Blue—Marine Pioneer Project". Among these, the "Ocean Around Me" popular science base was rated as a Dalian City Popular Science Base, and related practical projects were selected as the National Outstanding Brand for Social Practice by the Central Committee of the Communist Youth League.

# Social Services

## "Planning-Design-Demonstration-Assessment" Full-chain Technical Consulting Service System

Co-create a blue future, promote marine economic development



- 1 Huludao Sea Area**
  - 2 research project topics
  - Deepen marine area topic management, promote marine biodiversity restoration
- 2 Panjin Sea Area**
  - 5 sea area use demonstration projects
  - 2 environmental impact assessment projects
  - 1 ecological restoration project
  - 2 research project topics
  - Promote comprehensive utilization of marine resources, achieve dual revitalization of ecology and economy
- 3 Yingkou Sea Area**
  - 1 ecological restoration project
  - Coordinate land-sea ecological environment governance, create a sustainable marine ecological environment
- 4 Changxing Island Sea Area**
  - 1 ecological restoration project
  - 1 research project topic
  - Improve marine resource development capacity, safeguard marine ecological security
- 5 Wafangdian Sea Area**
  - 2 sea area use demonstration projects
  - 1 environmental impact assessment project
  - 1 marine ranching project
  - Boost blue farmland construction, promote marine ecological fishery prosperity
- 6 Dalian City Urban Sea Area**
  - 3 sea area use demonstration projects
  - 2 environmental impact assessment projects
  - 2 research project topics
  - Develop ecological tourism, enhance marine recreational value
- 7 Pulandian Sea Area**
  - 3 sea area use demonstration projects
  - 1 ecological restoration project
  - 1 research project topic
  - Optimize fishery management, assist comprehensive utilization of marine resources
- 8 Donggang Sea Area**
  - 10 sea area use demonstration projects
  - 4 environmental impact assessment projects
  - 2 ecological restoration projects
  - Collaboratively promote marine ecological protection and marine economic development

Addressing major national needs for marine ecological civilization construction and regional economic development, focusing on sustainable utilization of island and coastal zone resources, integration and innovation of ecological security and engineering technology, the college conducts research and social service work in areas such as island and coastal zone development and utilization, ecological assessment and restoration, asset assessment, and realization of ecological product value. Leveraging solid professional capabilities and market recognition, it has completed a series of high-quality technical service achievements and established a "Planning-Design-Demonstration-Assessment" full-chain technical consulting service system.