

Handbook of PhD Program in Ocean Engineering
School of Mechanical Engineering, Sharif University of Technology

The PhD program in Ocean Engineering comprises of minimum 18 taught credits.

A- Compulsory Core Courses	6	Credits
B- Elective Specialized Courses	12	Credits
C- Thesis	24	Credits

A- Compulsory Courses

Course #	Courses Title	Credits
28961	Wave Theory	3
28971	Marine Dynamics I	3

Note: Not required for PhD candidates who passed these courses in their MSc degree.

B- Compulsory Specialized Courses: (At least four courses required)

Course #	Course Title	Credits
28195	Advanced Hydrodynamics	3
28984	Ship Structural Design	3
28987	Analysis and Design of Floating Structures	3
28922	Subsurface Engineering	3
28579	Random Vibrations	3
28989	High Speed Crafts	3
28372	Under Water Acoustics	3
28602	Energy and Environment	3

Note: The candidates are allowed to select two courses out of this list if approved by their supervisor.

C- Qualifying Exam: The candidates must pass the qualifying exam in the second semester (or the third semester at the latest).

Course #	Course Title	Credits
2800	Qualifying Exam	0

D- Research Proposal: The candidates must present and defend the research proposal by the end of the fourth semester.

Course #	Course Title	Credits
28001	Thesis Proposal Defend	0

E : Seminar: The candidates must attend the seminar once their research proposal is approved.

Course #	Course Title	Credits
28010	Seminar	0

E- PhD Thesis: The candidates must register for PhD thesis (6 credits per semester), once the research proposal is approved.

Course #	Course Title	Credits
28200	PhD Thesis	24