

Studying in France

As well as studying in one of the top French Technical Universities you will enjoy the French quality of life.

Both Nantes and Brest are active harbor towns turned towards the seas and like all harbor towns, they have a long tradition of openness. Their dynamism stems from the constant ebb, flow and renewal of the tides that carry talent and ideas from abroad, and in return export its own vision and way of life.

Career opportunities

Industrial Program: in charge of the design of a subset of ships or offshore structures.

Research and Program Development: in charge of experimental design of innovative systems for the behavior, performance and implementation of ships or offshore structures.

System Integration: team coordination to test and validate implementation of embedded systems.

Prerequisites and requirements

Degree Requirements

>> Applicants must hold at least a Bachelor of Science in fields such as mechanics, electrical, ocean or naval engineering.

>> Engineers or other candidates with specific CVs searching for advanced education in naval engineering and ship operation are also invited to apply.

English language requirements

All courses are in English thus an English Proficiency is required (TOEFL, TOEIC, IELTS, Cambridge... or any other certified proof).

Scholarships

There are no scholarships available for this master. However you can apply through your government or the French government or any company interested in giving you a financial support.

Application

See www.master-amasone.fr and follow the application procedure. All the requested documents are listed.

Tuition Fees

The tuition fees are 24.000 euros for 4 semesters.



Our industrial and academic partners



INFORMATIONS & CONTACT:
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Master A.M.A.S.O.N.E

*Atlantic Master
on Ship Operation
& Naval engineering*

*Unique opportunity
to study in France
in 2 famous institutions:*

» *École Centrale de Nantes*



» *École Navale Brest*



*Become an engineer
with both skills in:
» Naval engineering
» Ship operations*

Presentation of AMASONE

Two of the top French Technical Universities have teamed up to offer you a unique opportunity to learn naval engineering and become an engineer experienced in ship operation.

At **Ecole Centrale de Nantes** we provide high-level naval engineer training programme. You will have access to important experimental facilities such as towing tank, wave tank, internal combustion engine test benches.

École Navale in Lanvéoc-Poulmic close to Brest is the French Naval Academy where French Navy officers are trained. In Ecole Navale we deliver a serious scientific training, navigation knowledge and maritime environment.

The outstanding strength of this master program is that you will **have on-board training sessions on French Navy vessels**. You will get an insight of on-board practice to serve complex equipment and to fit in with the quick evolution of knowledge and techniques which is highly valuable for a naval engineer and of course highly regarded by industrial employers.

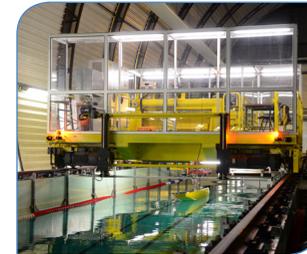
Experimental facilities description at a glance

- » French Navy vessels (training vessels and sailboats).
- » One of the best navigation simulator in the world.
- » A towing tank of 148 m long, 5 m wide and 3 m depth, with a carriage allowing to tow models up to 8 m/s.
- » A wave tank of 50 m length, 30 m wide and 5 m depth equipped with a multflap wavemaker able to create multidirectionnal waves of 1 m height.
- » 6 test benches for internal combustion engines allowing to test engines from 70 to 400 kW.

Thanks to various courses in NANTES and BREST the A.M.A.S.O.N.E. master's student will have the opportunity to learn how to use unique facilities: towing tanks, engines tests benches, French Navy ships and navigation simulators.

year	semester	course title	acronym	place	hours	ECTS
M1	S1	Maritime environment & communication tools - Maritime English	MAENV	EN	60	7
		French language & culture	FRENC	ECN	50	3
		Knowledge of the marine environment	KNFLU	EN	40	5
		Fluid mechanics	FLUME	ECN	40	5
		Applied Thermodynamics	ATHERM	ECN	30	5
		Algorithm & programming	ALPRO	ECN	30	5
M1_S1 subtotal					250	30
M1	S2	Training on Ship	TROSH	EN	40	3
		French language & culture	FRENC	ECN	50	3
		Acoustics	ACOUS	EN	40	6
		Propulsion systems	PROPU	ECN	40	6
		System approach and modelling	SYSTE	ECN	40	6
		Hydrodynamics (basics)	HYDRB	EN	40	6
M1_S2 subtotal					250	30
M2	S3	Training on Ship	TROSH	EN	40	4
		French language & culture	FRENC	ECN	50	3
		Maritime & navigation knowledge	MANAK	EN	60	7
		Labs in Hydrodynamics & propulsion systems	LABHY	ECN	40	6
		Thermal Machines	THEMA	ECN	30	5
		Hydrodynamics (advanced)	HYDRA	ECN	30	5
M2_S3 subtotal					250	30
M2	S4	THESIS				30
M2_S4 subtotal						30
OVERALL					750	120

100% English Master. Besides this technical and scientific know-how, you will discover the French culture and language.



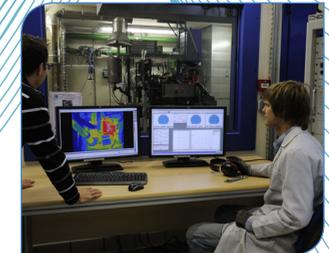
Test facilities at Ecole Centrale de Nantes: Towing tank - FWT wave and wind test - Ocean basin



SEM-REV sight



Engines test benches at Ecole Centrale de Nantes



Learn maritime and navigation knowledge



French Navy training vessel



View of the Ecole Navale simulator