GHENT UNIVERSITY

Study Programme

Academic year 2026-2027

Faculty of Engineering and Architecture

Bridging Programme Master of Science in Engineering: Ships and Marine Technology

Language of instruction: English

Programme version 1

1 General Courses — 93 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E001161	Mathematic Models *Karel Van Acoleyen -- Department of Electronics and Information Systems*	6	BRUG	1	A:1	180
2	E005020	Analysis of Systems and Signals [nl] *Gert De Cooman -- Department of Electronics and Information Systems*	3	BRUG	1	B:1	90
3	E036500	Electrical Machines [nl] *Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering*	6	BRUG	1	A:1	180
4	E044311	Structural Stability *Robby Caspeele -- Department of Structural Engineering and Building Materials*	3		1	C:1	90
5	E045280	Computational Fluid Dynamics *Joris Degroote -- Department of Electromechanical, Systems and Metal Engineering*	3		1	A:1	90
6	E900069	Composites *Wim Van Paepegem -- Department of Materials, Textiles and Chemical Engineering*	6		1	A:1	180
7	E048500	Thermal Machines *Sebastian Verhelst -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180
8	E048100	Fluid Machines *Joris Degroote -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:1	180
9	E055020	Marine Hydrostatics and Stability *Evert Lataire -- Department of Civil Engineering*	6		1	A:1	180
10	E056600	Construction Techniques *Wim De Waele -- Department of Electromechanical, Systems and Metal Engineering*	3		1	B:2	90
11	E048600	Vibrations and Signals *Mia Loccufier -- Department of Electromechanical, Systems and Metal Engineering*	6		1	A:2	180
12	E044666	Offshore Structures *Andreas Kortenhaus -- Department of Civil Engineering*	3		1	B:2	90
13	E055070	Ship and Marine Structures	6		1	A:2	180
14	E055080	Ship Resistance and Propulsion *Guillaume Delefortrie -- Department of Civil Engineering*	6		1	A:2	180
15	E044671	Offshore Foundations *Bruno Stuyts -- Department of Civil Engineering*	3		2	B:1	90
16	E055060	Ship Manoeuvring and Seakeeping Behaviour of Floating Structures *Guillaume Delefortrie -- Department of Civil Engineering*	6		2	A:1	180
17	E029800	Domain-Specific Research Skills *Michel De Paepe -- Department of Electromechanical, Systems and Metal Engineering*	3		2	A:1	90
18	E029700	General Research Skills *Michel De Paepe -- Department of Electromechanical, Systems and Metal Engineering*	3		2	A:1	90
19	E055320	Ship Behaviour in Shallow and Confined Water *Guillaume Delefortrie -- Department of Civil Engineering*	3		2	A:2	90
20	E055090	Ship Design Project *Guillaume Delefortrie -- Department of Civil Engineering*	6		2	A:J	180

2 Elective Courses

Subscribe to 3 ECTS from the elective courses in the Master of Science in Engineering: Ships and Marine Technology. Subject to approval by the faculty.

3 Master's Dissertation 24 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E091103	Master's Dissertation	24		2	B:J	720

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2.
When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.
When a semester is shown in brackets, the course in not offered this year in the specific offering.
The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030