

**Cycle view of the study programme**

B1 Or Th Pr Au Cr

**Compulsory courses (B1 : 60Cr)**

ACER0056-1	<i>Module 1 : Waterways Infrastructures (english language) -</i> Thais MAIA ARAUJO	B1		160	-	-	<b>8</b>
ACER0057-1	<i>Module 2 : Shipyard layout and organization (english language) -</i> Marcel CARVALHO	B1		160	-	-	<b>8</b>
ACER0058-1	<i>Module 3 : Concept Design of navigational equipment and navigation aids (english language) -</i> Henrique GOMES DE MOURA	B1		160	-	-	<b>8</b>
ACER0059-1	<i>Module 4 : Transport system analysis, traffic management and modelling (english language) -</i> Augusto BRASIL	B1	TA	160	-	-	<b>8</b>
ACER0060-1	<i>Module 5 : Logistics, Quality and supply chain management tools for waterborne transport and shipyards operation (english language) -</i> Yaeko YAMASHITA	B1	TA	160	-	-	<b>8</b>
ACER0061-1	<i>Module 6 : Evaluation and decision making tools and strategies for waterborne transport and shipyards operation (english language) -</i> Manuel BARCELOS JR.	B1	TA	160	-	-	<b>8</b>
ACER0062-1	<i>Personal work and/or internship (english language) -</i> COLLÉGIALITÉ	B1		-	-	-	<b>12</b>