

# 40-Hour Shiphandling on the Saint Lawrence Seaway

## COURSE DESCRIPTION

This course, developed in association with the Canadian Shipowners Association (CSA), is for third, second and chief mates and focuses on lock wall approaches, close quarter maneuvering situations, and emergency shiphandling conditions resulting from ship traffic or poor visibility. Emphasis is placed on learning, reviewing and practicing the shiphandling required on specific, difficult sections of the Seaway and implementing proper bridge procedures in order to minimize human error.

Guided by Canadian ship masters with years of experience on the Seaway, the course reinforces the proper relationship between engines and helm for ship maneuvering; and the effects wind, current, shallow water; as well as the effects banks and narrow channels and conditions of loading have on the behavior of the ship. All reinforced by practical application exercises performed in a shiphandling simulator under varying conditions.

## COURSE SCHEDULE

	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<b>Morning</b>	Welcome/admin Simulator demo Radar familiarization	Shiphandling with tugs	Bank, channel and interactive effects	Anchoring and Single Point Mooring	Simulation exercise and debrief
	Principles of shiphandling	Simulation exercise and debrief	Simulation exercise and debrief	Simulation exercise and debrief	Simulation exercise and debrief
	Familiarization and maneuvering exercise	Simulation exercise and debrief	Simulation exercise and debrief	Simulation exercise and debrief	Simulation exercise and debrief
	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>Afternoon</b>	Voyage planning	Shallow water effects	Situational awareness /error chain	Simulation exercise and debrief	Simulation exercise and debrief
		Simulation exercise and debrief	Emergency stopping/use of escort tug	Simulation exercise and debrief	Simulation exercise and debrief
	Simulation exercise and debrief	Simulation exercise and debrief	Simulation exercise and debrief	Simulation exercise and debrief	Simulation exercise and debrief
					Course critiques

## COURSE REQUIREMENTS

Trainees should have a minimum of six months watchkeeping experience as officer in charge of a navigation watch and should also have completed a course of training in radar observation and plotting. An end of course evaluation will document student performance in meeting the objectives of the course and may be forwarded as required to company offices.

**Maritime Simulation Institute**



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